

DISPLAY

Display Part No. System

A – 23(0) 1 G X/X
X1 X2 X3 X4 X5

DISPLAY

X1		X2		X3	
Display Mode		Size		Number of Digit	
Code	Type	Code	Type	Code	Type
<u>Digit / Dot Matrix Display</u>		<u>Digit Display</u>		0	Dot Matrix
A	Common Anode	Digit Character Height (inch)		1	Single Digit
C	Common Cathode	<u>Dot Matrix Display</u>		2	Dual Digits
<u>Back Light</u>		Dot Diameter (mm) /		3	Three Digits
K	Back Light	Column Number /		4	Four Digits
<u>Light Bar</u>		Row Number	
B	Bar	<u>Light Bar</u>		8	Alpha Digit
R	Round	Light Bar Dimensions (mm)			

X4		X5	
Emitted Color		Surface Color / Segment Color	
Code	Type	Code	Type
G	GaP 570nm Yellow Green	G/W	Grey & White
UB	GaN 465nm Blue	B/W	Black & White
Y	GaAsP 587nm Yellow	B/R	Black & Red
E	GaAsP 628nm Orange	R/R	Red & Red
SR	GaAlAs 640nm Red	G/R	Grey & Red
UW	GaN White	B/G	Black & Green

Display Reference Part No. System

D L C 1 5 G 106 G
X1 X2 X3 X4 X5 X6 X7 X8

X1		X2		X3		X4	
Display Mode		Announced Year		Driver Mode		Number of Digit	
Code	Type	Code	Type	Code	Type	Code	Type
D	Digit Display	H	2008	A	Common Anode	0	Dot Matrix
M	Dot Matrix Display	J	2009	C	Common Cathode	1	Single Digit
K	Back Light	K	2010	O	Backlight, Light Bar	2	Dual Digits
B	Light Bar	L	2011			3	Three Digits
		M	2012			4	Four Digits
	

X5		X6		X7		X8	
Digit Height (inch)		Emitted Color		Series Number		Producing Area	
Code	Type	Code	Type				
2	0.20"-0.299"	G	GaP 570nm Yellow Green				
3	0.30"-0.399"	UB	GaN 465nm Blue				
A	1.0"-1.099"	Y	GaAsP 587nm Yellow				
B	1.1"-1.199"	E	GaAsP 628nm Orange				
...	SR	GaAlAs 640nm Red				
O	Backlight, Light Bar	UW	GaN White				

LCD Back Light Part No. System

K – 042 04 G X P
X1 X2 X3 X4 X5 X6

X1		X2		X3	
LED item		Number of Chip		Series Number	
Code	Type	Code	Type		
K	Back Light	014	14		
		024	24		
		042	42		
		120	120		
			

X4		X5		X6	
Emitted Color		Tape Type		Pin Length	
Code	Type	Code	Type		
G	GaP 570nm Yellow Green	X	Thin Tape		
Y	GaAsP 587nm Yellow	XT	Double-Sided Tape		
E	GaAsP 628nm Orange				
SR	GaAlAs 640nm Red				

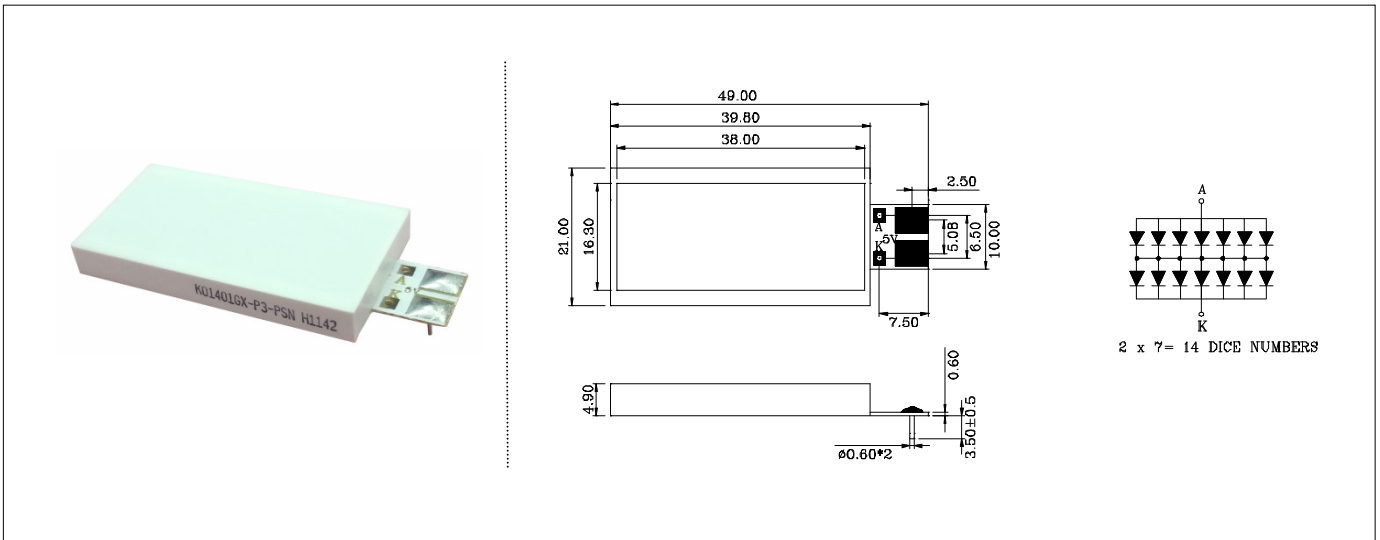
Display / LCD Back Light Reliability Test

Classification	Test Item	Test Condition	Reference Standard
Endurance Test	Operation Life	Ta : 25 ± 5°C IF : 20 mA Per Segment *Test Time : 168HRS (-12HRS, +12HRS) 500HRS (-24HRS, +24HRS) 800HRS (-24HRS +24HRS) 1000HRS (-24HRS, +72HRS)	MIL-STD-750:1026 MIL-STD-883:1005 JIS C 7021:B-1
	High Temperature High Humidity Storage	Ta : 65 ± 5°C Rh : 90~95%Rh *Test Time : 240HRS ± 2HRS	MIL-STD-202:103B JIS C 7021:B-11
	High Temperature Storage	Ta= 85±5°C (Cob:Ta= 65±5°C) *Test Time= 1000HRS (-24HRS,+72HRS)	MIL-STD-883:1008 JIS C 7021:B-10
	Low Temperature Storage	Ta= -35±5°C *Test Time=1000HRS (-24HRS,+72HRS)	JIS C 7021:B-12
Environmental Test	Temperature Cycling	85°C ~ 25°C ~ -35°C ~ 25°C 30min. 5min. 30min. 5min. 10 cycles (Cob:Thot= 65°C Tcold= -25°C)	MIL-STD-202:107D MIL-STD-750:1051 MIL-STD-883:1010 JIS C 7021:A-4
	Thermal Shock	85 ± 5°C ~ -35 ± 5°C 10min. 10min. 10 cycles (Cob:Thot= 65°C Tcold= -25°C)	MIL-STD-202:107D MIL-STD-750:1051 MIL-STD-883:1011
	Solder Resistance	Tsol= 260 ± 5°C Dwell Time= 10 ± 1 sec.	MIL-STD-202:210A MIL-STD-750:2031 JIS C 7021 : A-1
	Solder Ability	Tsol=230 ± 5°C Dwell Time=5 ± 1 sec.	MIL-STD-202:208D MIL-STD-750:2026 MIL-STD-883:2003 JIS C 7021:A-2

- All Display/LCD Back Light product dimensions are in millimeters (inches).
- Tolerance is ±0.25mm(0.01") unless otherwise specified.

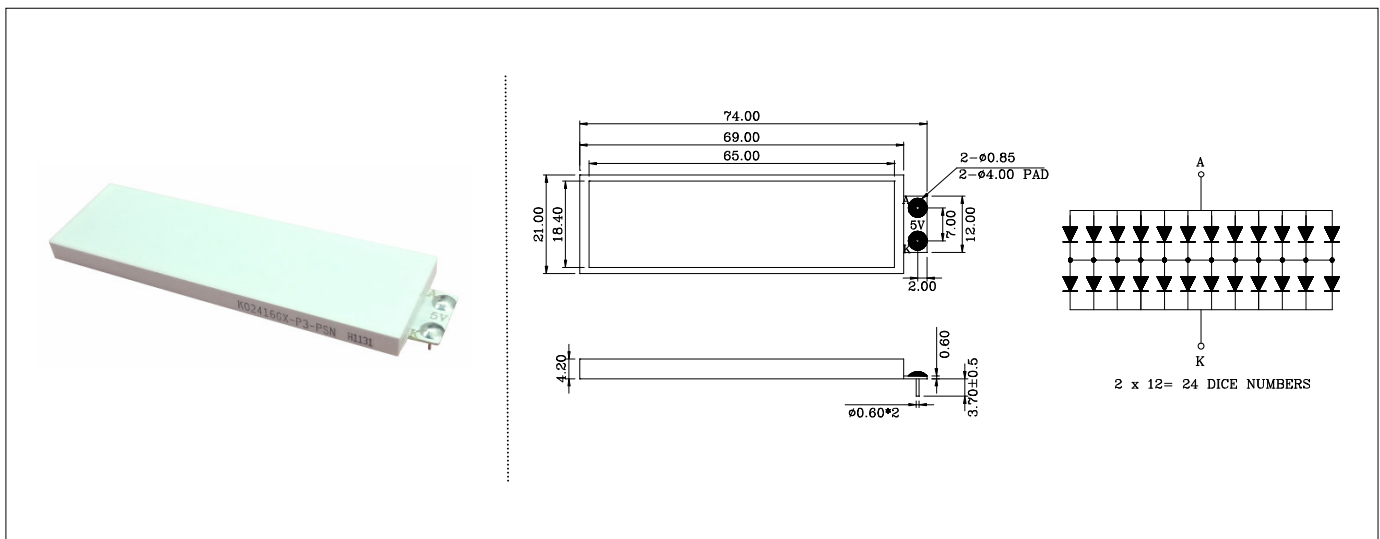
- Specifications are subject to change without notice.

K-01401GX -LCD BACK LIGHT



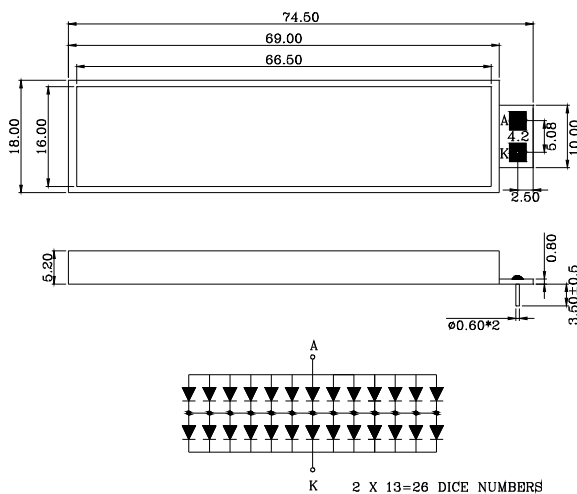
Part No	Luminous Area (mm)	Chip		Wave length λ_D (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		Input Current	I_v (cd/m ²) Typ.	V_f (V) Typ.
K-01401GX	16.3x38.0mm	GaP	Yellow Green	570	IF=70mA	180	4.2

K-02416GX -LCD BACK LIGHT



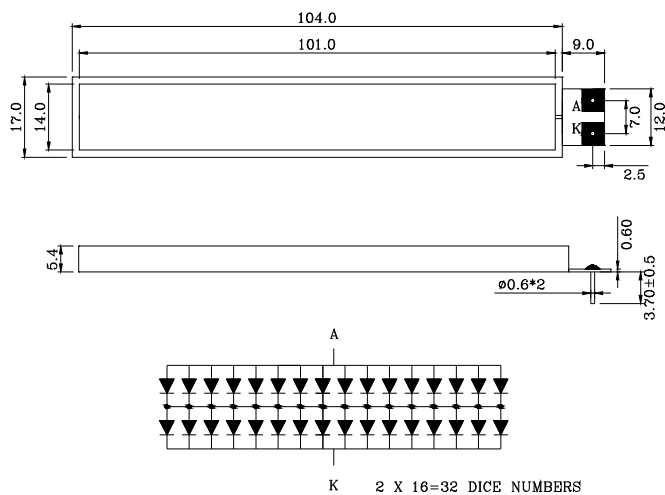
Part No	Luminous Area (mm)	Chip		Wave length λ_D (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		Input Current	I_v (cd/m ²) Typ.	V_f (V) Typ.
K-02416GX	18.4x65.0mm	GaP	Yellow Green	570	IF=120mA	120	4.2

K-02615GX -LCD BACK LIGHT



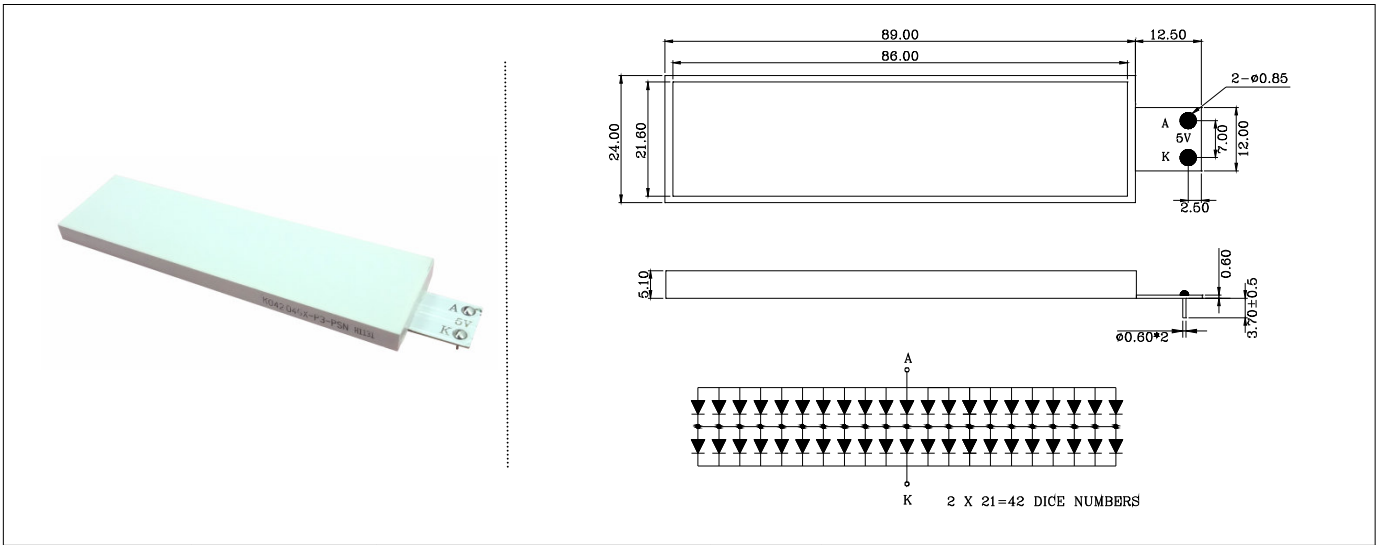
Part No	Luminous Area (mm)	Chip		Wave length λ_D (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		Input Current	I_v (cd/m ²) Typ.	V_f (V) Typ.
K-02615GX	16.0x66.5mm	GaP	● Yellow Green	570	$I_F=130\text{mA}$	210	4.2

K-03203GX -LCD BACK LIGHT



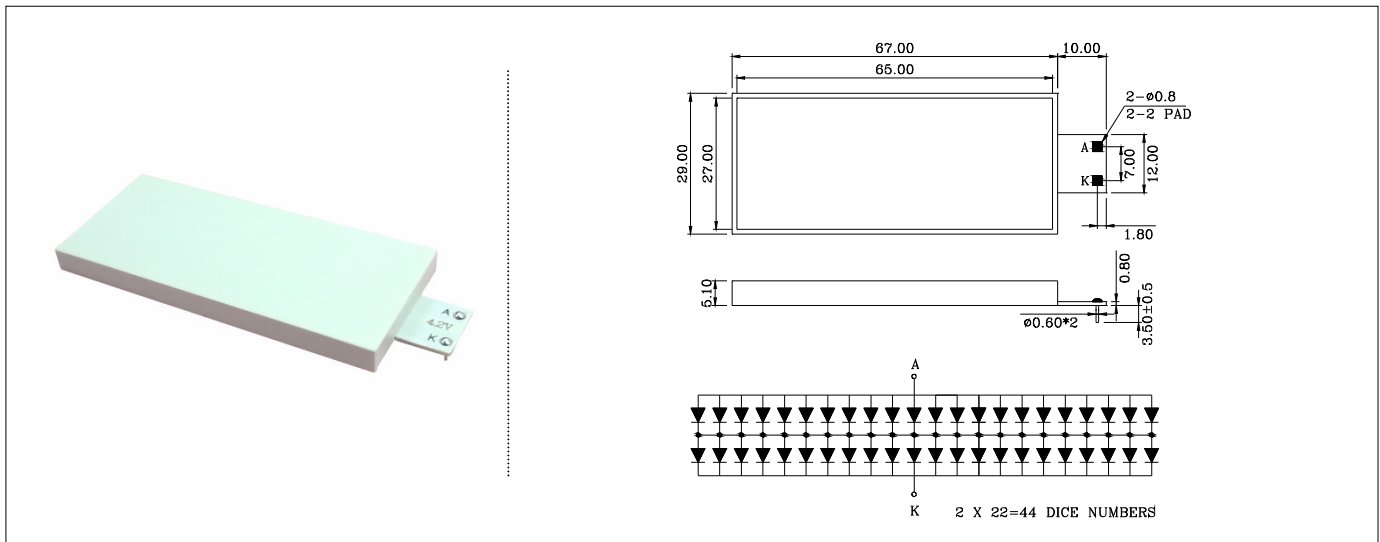
Part No	Luminous Area (mm)	Chip		Wave length λ_D (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		Input Current	I_v (cd/m ²) Typ.	V_f (V) Typ.
K-03203GX	14.0x101.0mm	GaP	● Yellow Green	570	$I_F=160\text{mA}$	240	4.2

K-04204GX -LCD BACK LIGHT



Part No	Luminous Area (mm)	Chip		Wave length λD (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		Input Current	Iv(cd/m ²) Typ.	Vf(V) Typ.
K-04204GX	21.6x86.0mm	GaP	● Yellow Green	570	IF=210mA	200	4.2

K-04403GX -LCD BACK LIGHT

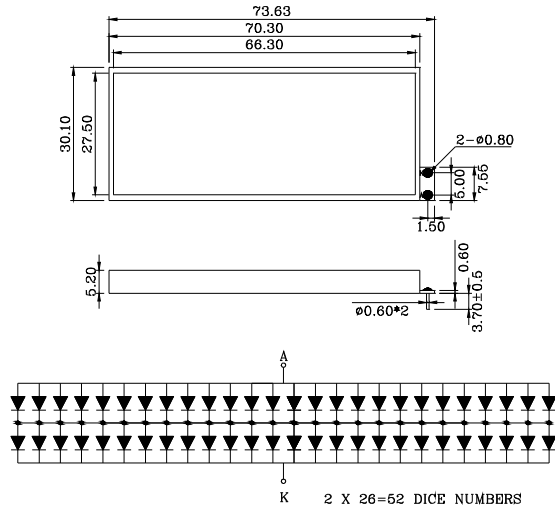
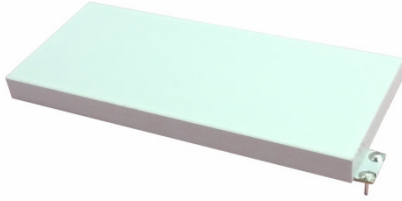


Part No	Luminous Area (mm)	Chip		Wave length λD (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		Input Current	Iv(cd/m ²) Typ.	Vf(V) Typ.
K-04403GX	27.0x65.0mm	GaP	● Yellow Green	570	IF=220mA	230	4.2

DISPLAY

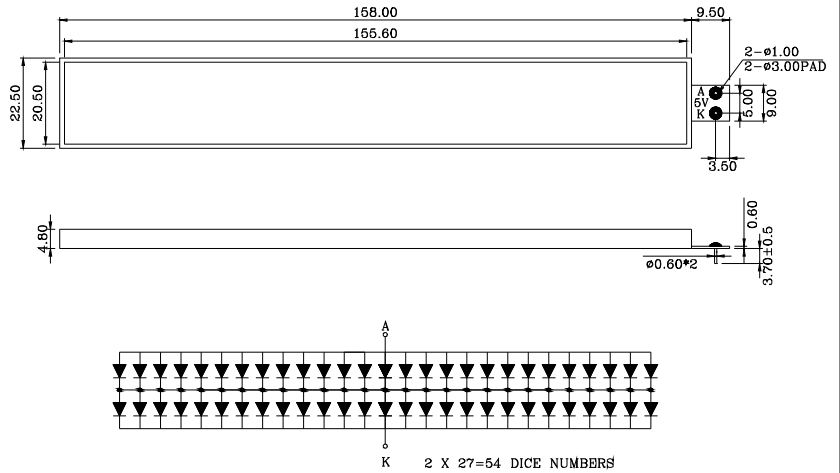
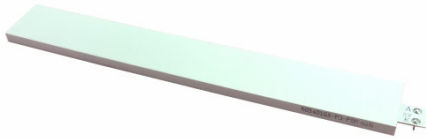
K-05209GX -LCD BACK LIGHT

DISPLAY



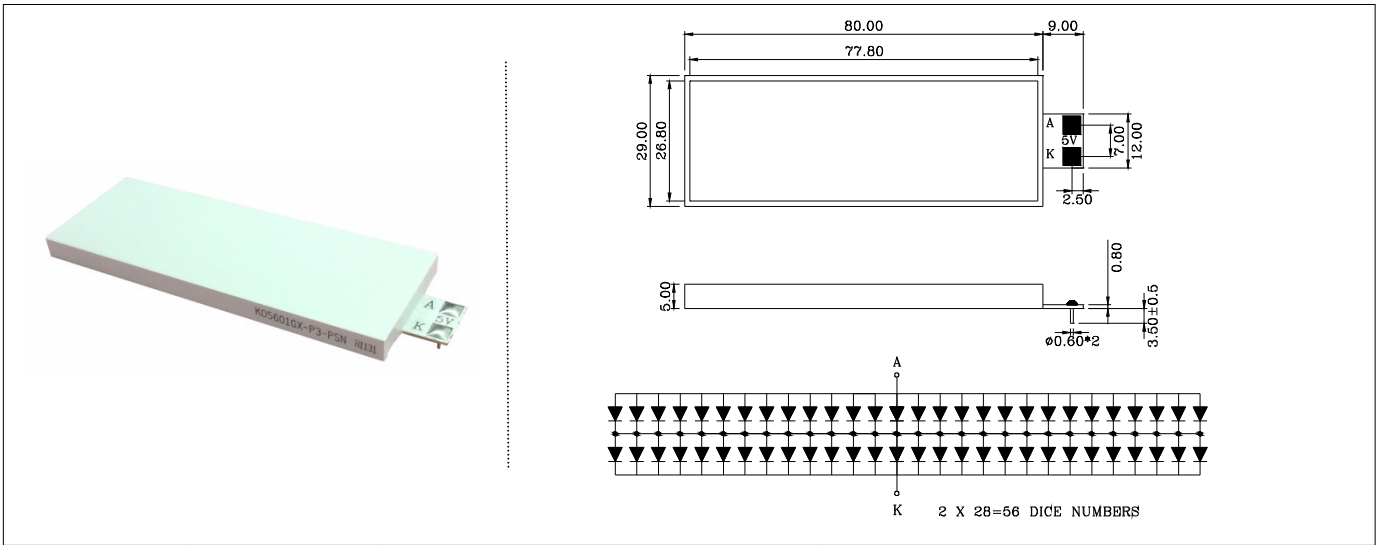
Part No	Luminous Area (mm)	Chip		Wave length λD (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		Input Current	Iv(cd/m ²) Typ.	Vf(V) Typ.
K-05209GX	27.5x66.3mm	GaP	● Yellow Green	570	IF=260mA	190	4.2

K-05401GX -LCD BACK LIGHT



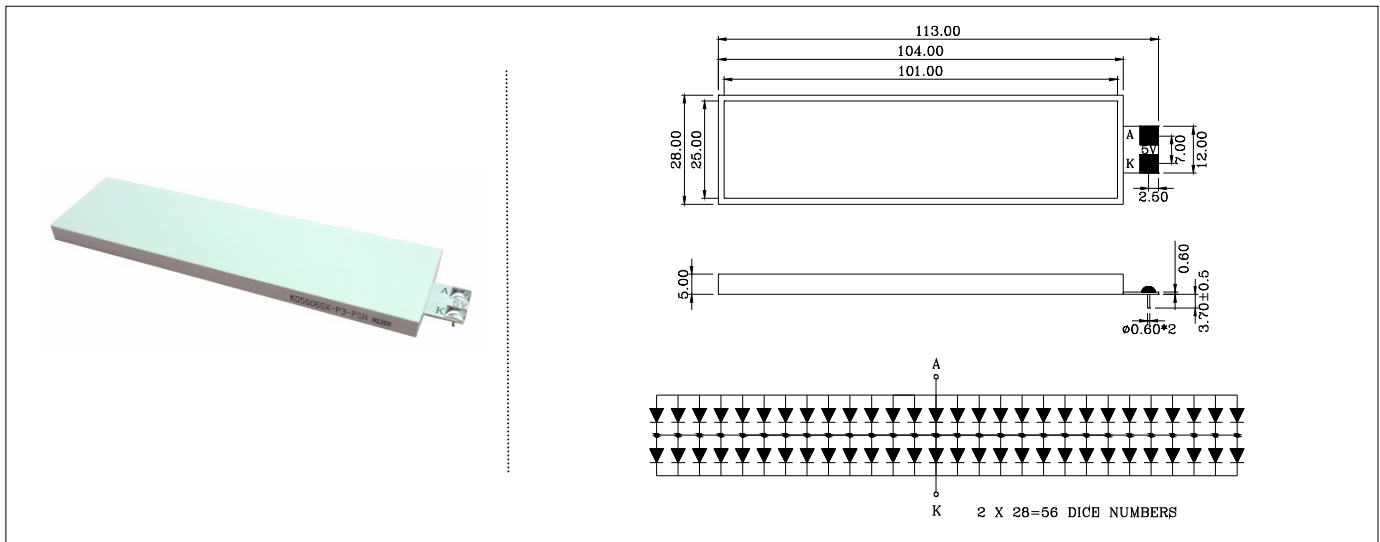
Part No	Luminous Area (mm)	Chip		Wave length λD (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		Input Current	Iv(cd/m ²) Typ.	Vf(V) Typ.
K-05401GX	20.5x155.6mm	GaP	● Yellow Green	570	IF=270mA	160	4.2

K-05601GX -LCD BACK LIGHT



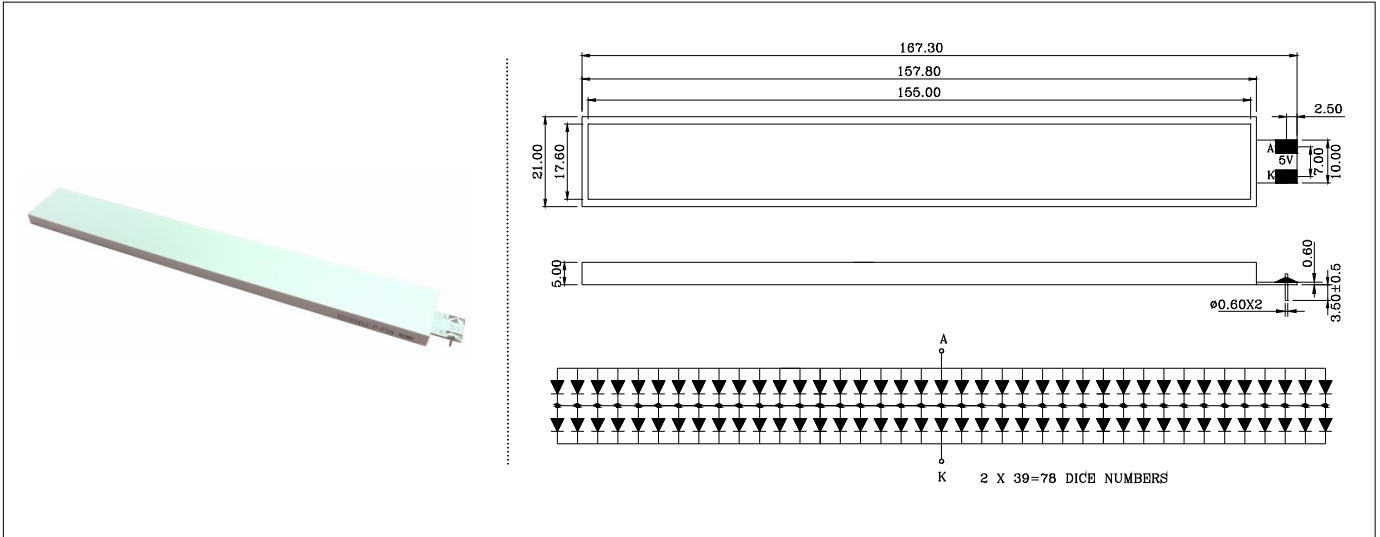
Part No	Luminous Area (mm)	Chip		Wave length λD (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		Input Current	Iv(cd/m ²) Typ.	Vf(V) Typ.
K-05601GX	26.8x77.8mm	GaP	Yellow Green	570	IF=280mA	230	4.2

K-05606GX -LCD BACK LIGHT



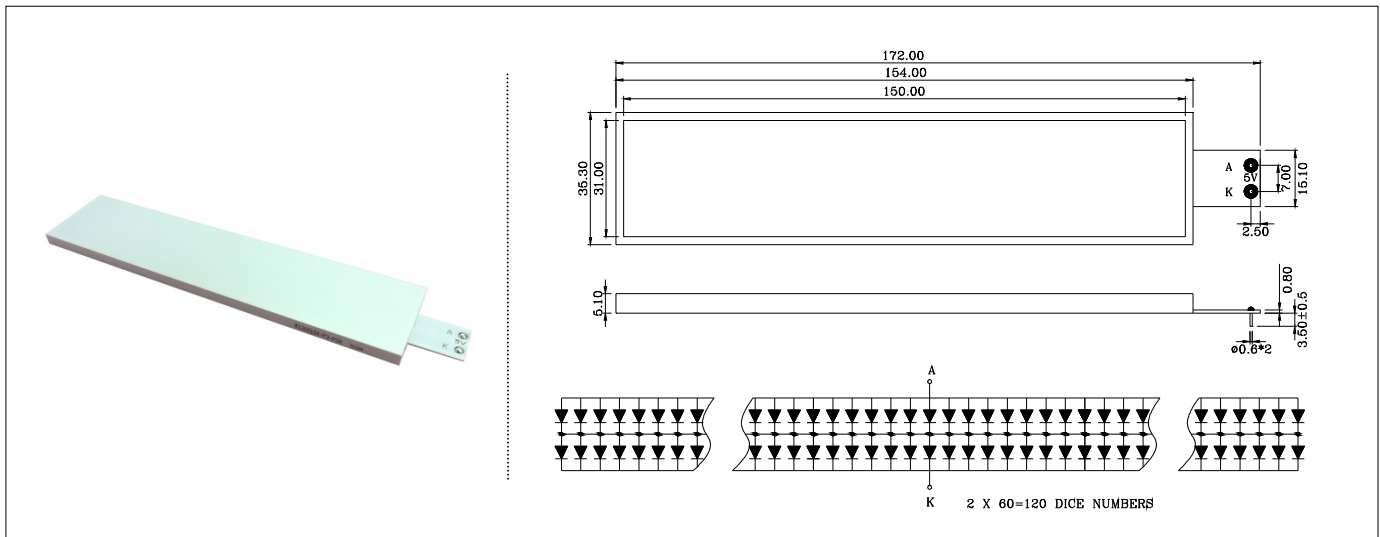
Part No	Luminous Area (mm)	Chip		Wave length λD (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		Input Current	Iv(cd/m ²) Typ.	Vf(V) Typ.
K-05606GX	25.0x101.0mm	GaP	Yellow Green	570	IF=280mA	180	4.2

K-07804GX -LCD BACK LIGHT



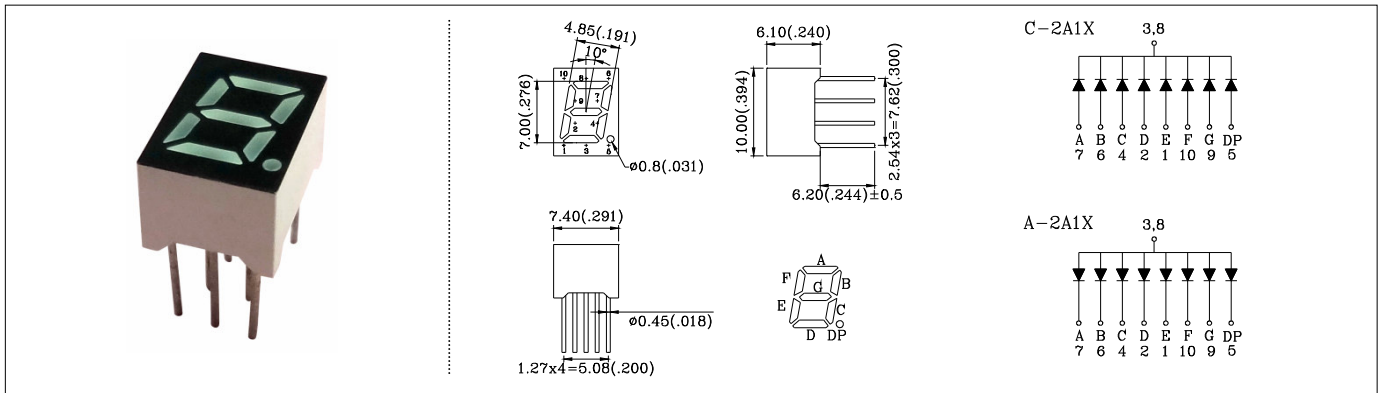
Part No	Luminous Area (mm)	Chip		Wave length λ_D (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		Input Current	I_v (cd/m ²) Typ.	V_f (V) Typ.
K-07804GX	17.6x155.0mm	GaP	Yellow Green	570	IF=390mA	180	4.2

K-12001GX -LCD BACK LIGHT



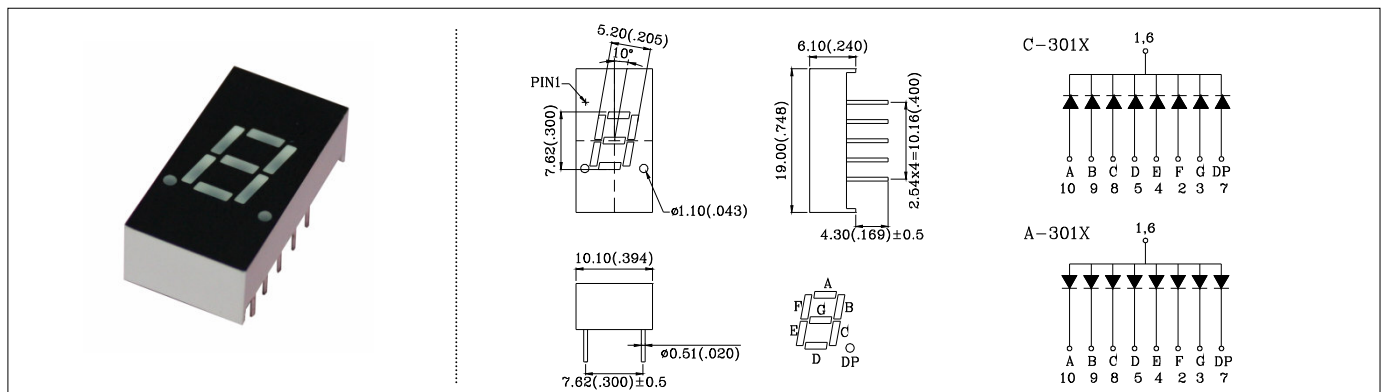
Part No	Luminous Area (mm)	Chip		Wave length λ_D (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		Input Current	I_v (cd/m ²) Typ.	V_f (V) Typ.
K-12001GX	31.0x150.0mm	GaP	Yellow Green	570	IF=600mA	260	4.2

C/A-2A1X -SINGLE DIGIT DISPLAY



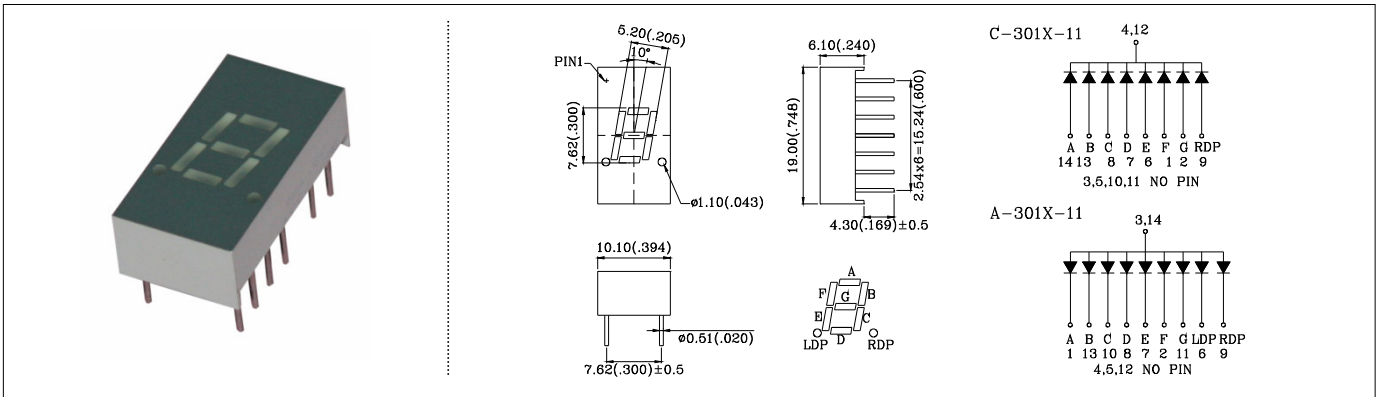
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-2A1E	DKC12E999G	A-2A1E	DKA12E995G	GaAsP	Orange	628	2.1	2.8	1.8
C-2A1G	DKC12G998G	A-2A1G	DKA12G994G	GaP	Yellow Green	570	2.2	2.8	1.6
C-2A1Y	DKC12Y997G	A-2A1Y	DKA12Y993G	GaAsP	Yellow	587	2.1	2.8	1.5
C-2A1SR	DKC12SR996G	A-2A1SR	DKA12SR992G	GaAlAs	Red	640	1.8	2.2	5.0

C/A-301X -SINGLE DIGIT DISPLAY



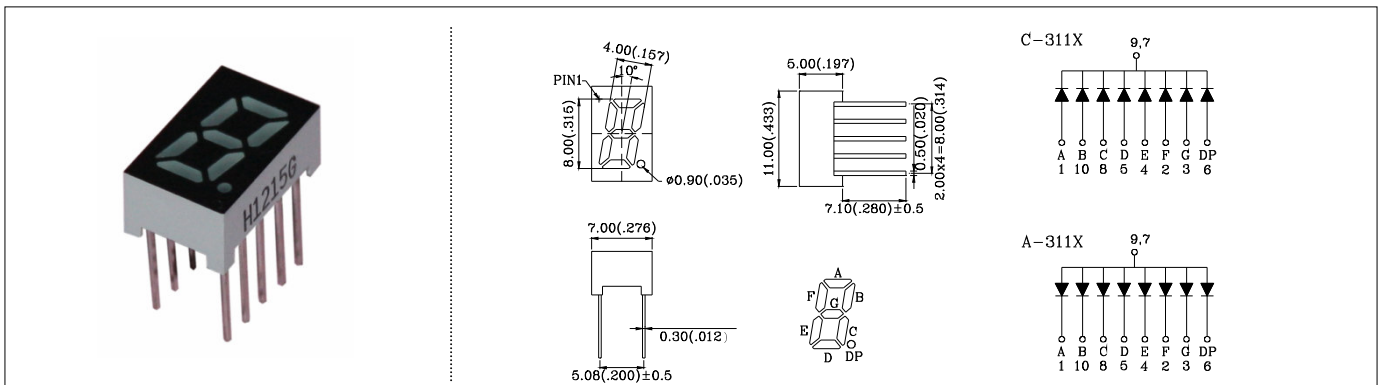
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-301E	DKC13E991G	A-301E	DKA13E987G	GaAsP	Orange	628	2.1	2.8	1.8
C-301G	DKC13G990G	A-301G	DKA13G986G	GaP	Yellow Green	570	2.2	2.8	1.8
C-301Y	DKC13Y989G	A-301Y	DKA13Y985G	GaAsP	Yellow	587	2.1	2.8	1.5
C-301SR	DKC13SR988G	A-301SR	DKA13SR984G	GaAlAs	Red	640	1.8	2.2	5.0

C/A-301X-11 -SINGLE DIGIT DISPLAY



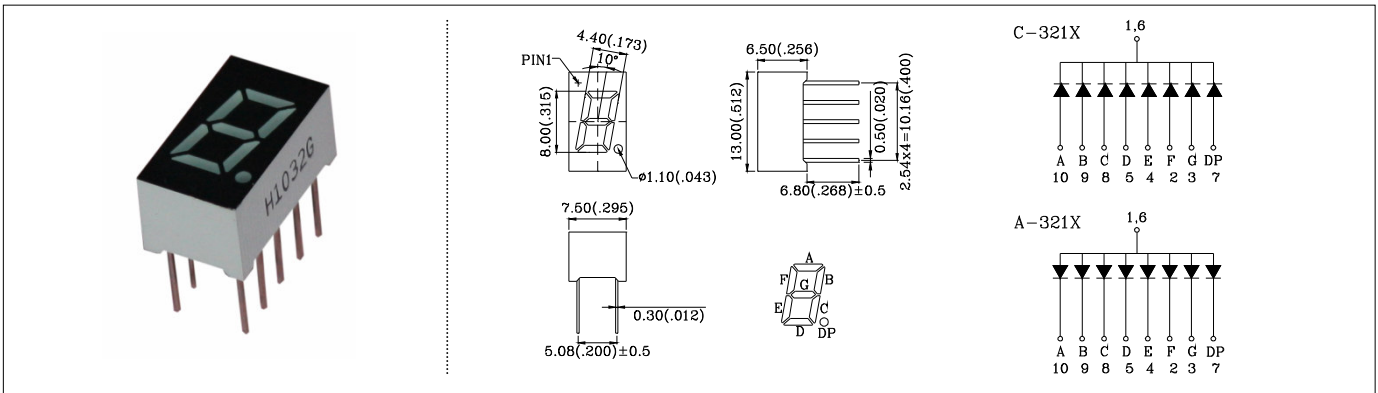
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-301E-11	DKC13E983G	A-301E-11	DKA13E979G	GaAsP	Orange	628	2.1	2.8	1.8
C-301G-11	DKC13G982G	A-301G-11	DKA13G978G	GaP	Yellow Green	570	2.2	2.8	1.6
C-301Y-11	DKC13Y981G	A-301Y-11	DKA13Y977G	GaAsP	Yellow	587	2.1	2.8	1.5
C-301SR-11	DKC13SR980G	A-301SR-11	DKA13SR976G	GaAlAs	Red	640	1.8	2.2	5.0

C/A-311X -SINGLE DIGIT DISPLAY



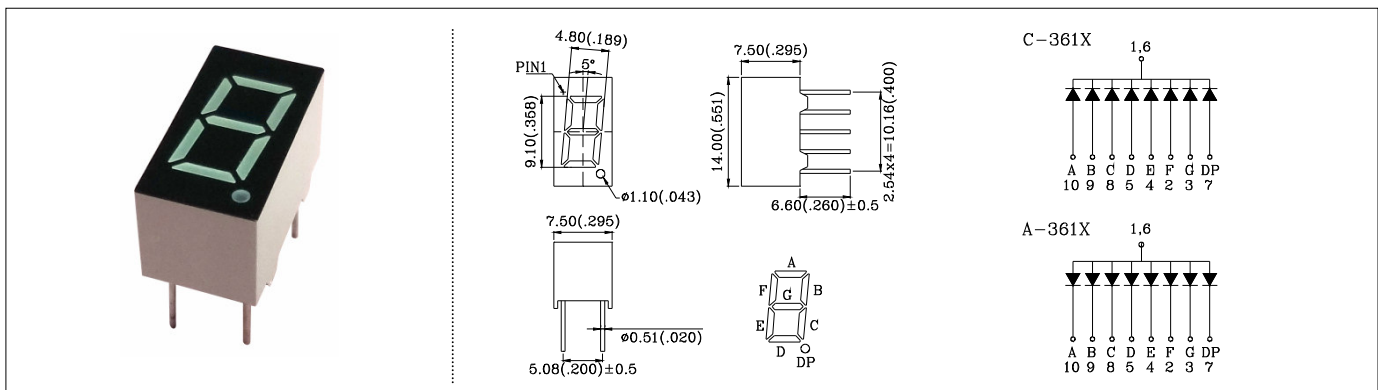
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-311E	DKC13E975G	A-311E	DKA13E971G	GaAsP	Orange	628	2.1	2.8	1.8
C-311G	DKC13G974G	A-311G	DKA13G970G	GaP	Yellow Green	570	2.2	2.8	1.6
C-311Y	DKC13Y973G	A-311Y	DKA13Y969G	GaAsP	Yellow	587	2.1	2.8	1.5
C-311SR	DKC13SR972G	A-311SR	DKA13SR968G	GaAlAs	Red	640	1.8	2.2	5.0

C/A-321X -SINGLE DIGIT DISPLAY



Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-321E	DKC13E967G	A-321E	DKA13E962G	GaAsP	Orange	628	2.1	2.8	1.8
C-321G	DKC13G966G	A-321G	DKA13G961G	GaP	Yellow Green	570	2.2	2.8	1.6
C-321Y	DKC13Y965G	A-321Y	DKA13Y960G	GaAsP	Yellow	587	2.1	2.8	1.5
C-321SR	DKC13SR964G	A-321SR	DKA13SR959G	GaAlAs	Red	640	1.8	2.2	5.0
C-321UB	DKC13UB963G	A-321UB	DKA13UB958G	GaN	Blue	465	3.5	4.0	10.0

C/A-361X -SINGLE DIGIT DISPLAY

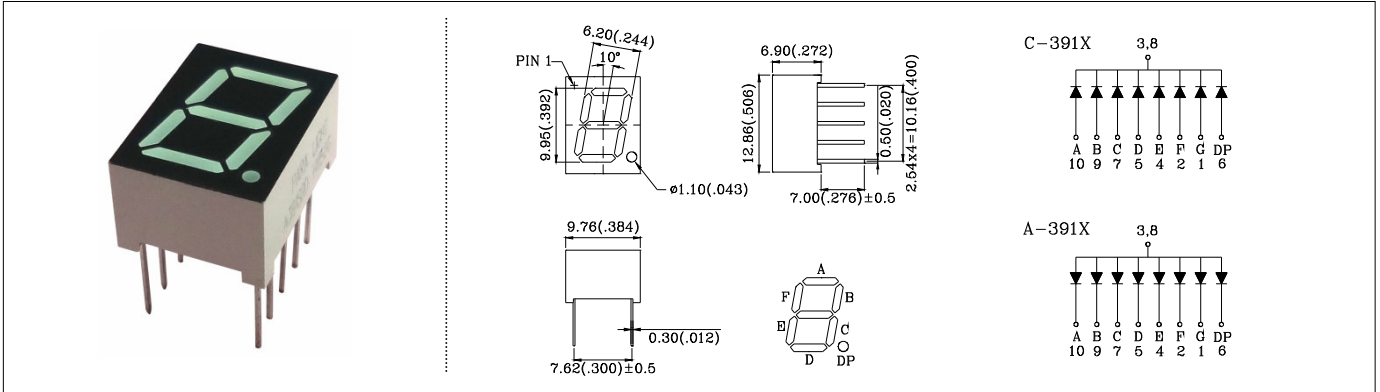


Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-361E	DKC13E957G	A-361E	DKA13E953G	GaAsP	Orange	628	2.1	2.8	1.8
C-361G	DKC13G956G	A-361G	DKA13G952G	GaP	Yellow Green	570	2.2	2.8	1.8
C-361Y	DKC13Y955G	A-361Y	DKA13Y951G	GaAsP	Yellow	587	2.1	2.8	1.5
C-361SR	DKC13SR954G	A-361SR	DKA13SR950G	GaAlAs	Red	640	1.8	2.2	5.0

DISPLAY

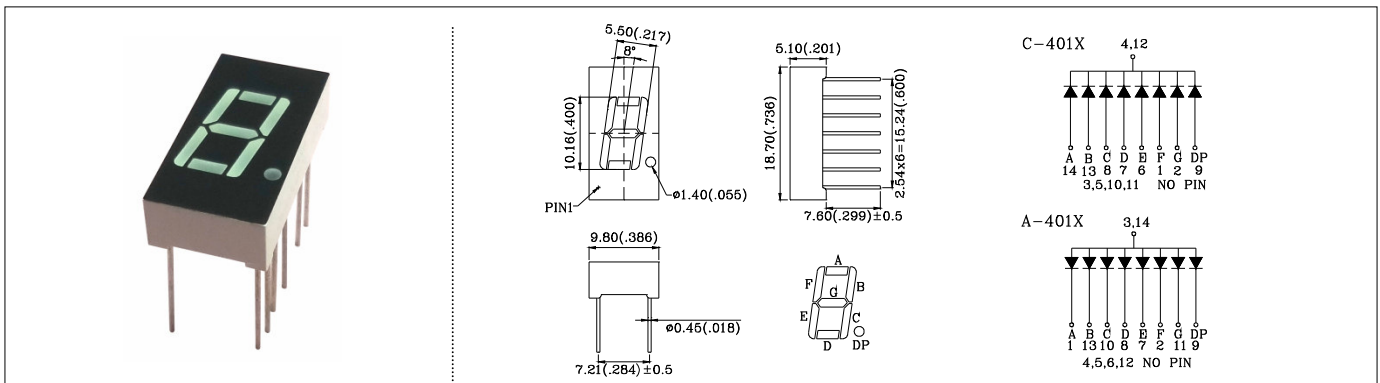
C/A-391X -SINGLE DIGIT DISPLAY

DISPLAY



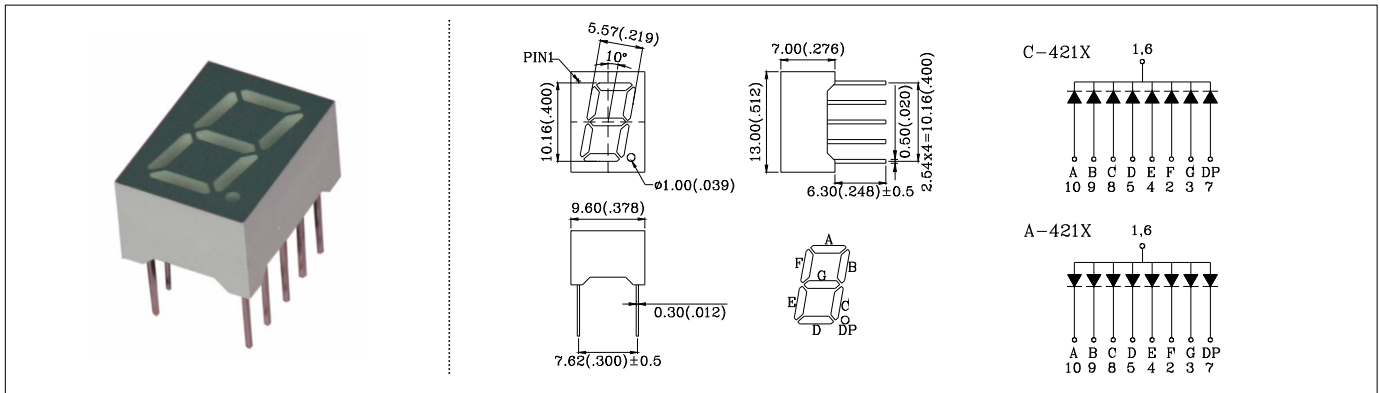
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-391E	DKC13E949G	A-391E	DKA13E944G	GaAsP	Orange	628	2.1	2.8	1.8
C-391G	DKC13G948G	A-391G	DKA13G943G	GaP	Yellow Green	570	2.2	2.8	1.6
C-391Y	DKC13Y947G	A-391Y	DKA13Y942G	GaAsP	Yellow	587	2.1	2.8	1.5
C-391SR	DKC13SR946G	A-391SR	DKA13SR941G	GaAlAs	Red	640	1.8	2.2	5.0
C-391UB	DKC13UB945G	A-391UB	DKA13UB940G	GaInN	Blue	465	3.5	4.0	10.0

C/A-401X -SINGLE DIGIT DISPLAY



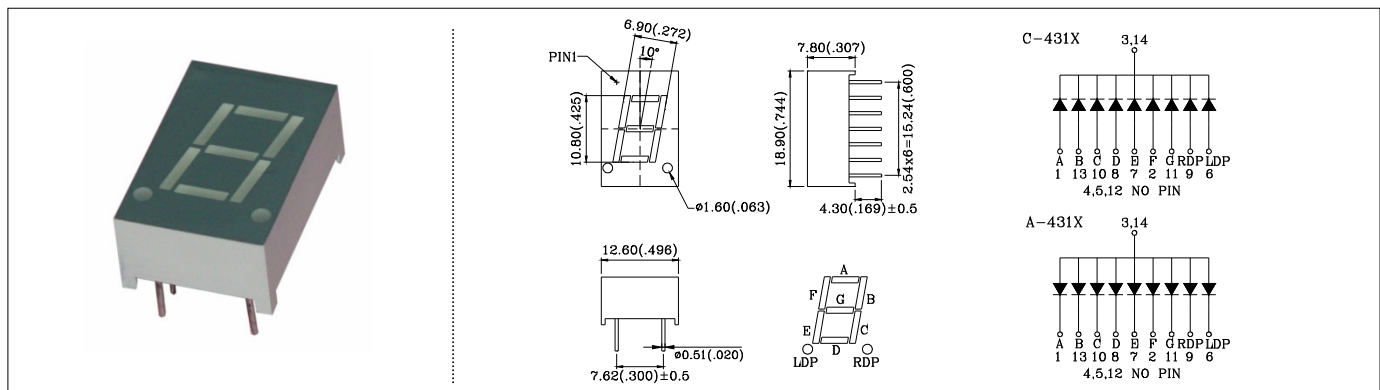
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-401E	DKC14E939G	A-401E	DKA14E934G	GaAsP	Orange	628	2.1	2.8	2.0
C-401G	DKC14G938G	A-401G	DKA14G933G	GaP	Yellow Green	570	2.2	2.8	2.0
C-401Y	DKC14Y937G	A-401Y	DKA14Y932G	GaAsP	Yellow	587	2.1	2.8	1.6
C-401SR	DKC14SR936G	A-401SR	DKA14SR931G	GaAlAs	Red	640	1.8	2.2	8.0
C-401UB	DKC14UB935G	A-401UB	DKA14UB930G	GaInN	Blue	465	3.5	4.0	15.0

C/A-421X -SINGLE DIGIT DISPLAY



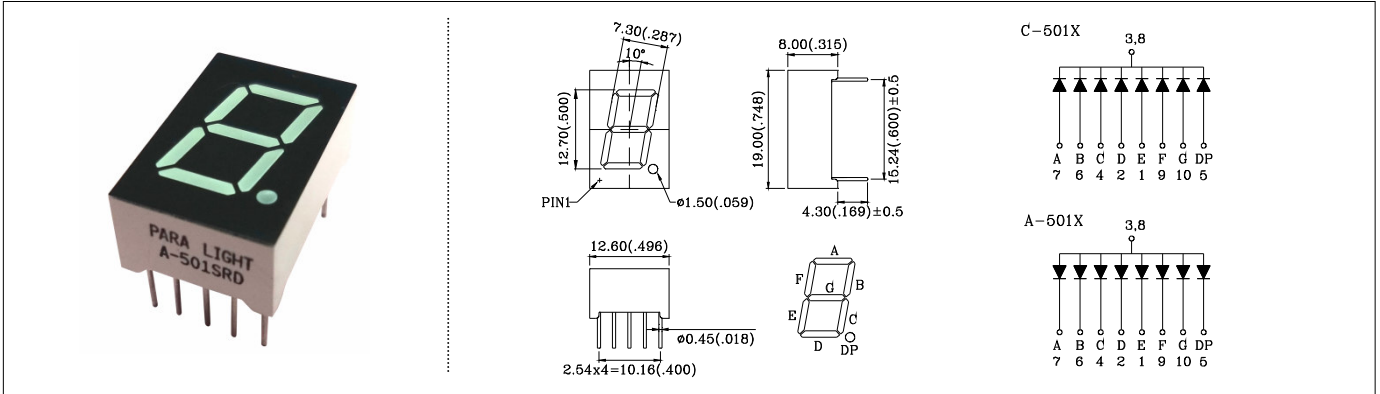
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-421E	DKC14E929G	A-421E	DKA14E924G	GaAsP	Orange	628	2.1	2.8	1.8
C-421G	DKC14G928G	A-421G	DKA14G923G	GaP	Yellow Green	570	2.2	2.8	1.6
C-421Y	DKC14Y927G	A-421Y	DKA14Y922G	GaAsP	Yellow	587	2.1	2.8	1.5
C-421SR	DKC14SR926G	A-421SR	DKA14SR921G	GaAlAs	Red	640	1.8	2.2	10.0
C-421UB	DKC14UB925G	A-421UB	DKA14UB920G	GaInN	Blue	465	3.5	4.0	10.0

C/A-431X -SINGLE DIGIT DISPLAY



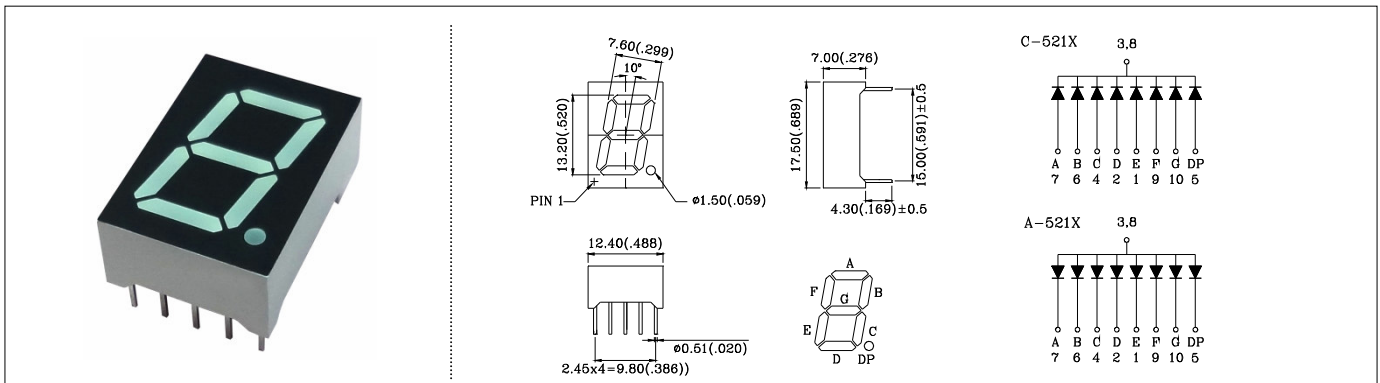
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-431E	DKC14E919G	A-431E	DKA14E915G	GaAsP	Orange	628	2.1	2.8	2.0
C-431G	DKC14G918G	A-431G	DKA14G914G	GaP	Yellow Green	570	2.2	2.8	2.0
C-431Y	DKC14Y917G	A-431Y	DKA14Y913G	GaAsP	Yellow	587	2.1	2.8	1.6
C-431SR	DKC14SR916G	A-431SR	DKA14SR912G	GaAlAs	Red	640	1.8	2.2	10.0

C/A-501X -SINGLE DIGIT DISPLAY



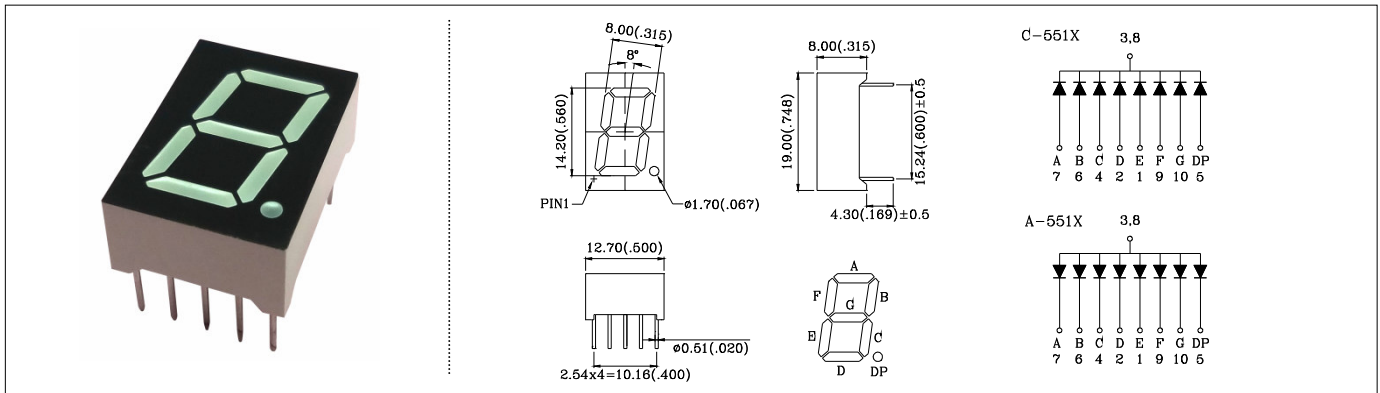
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-501E	DKC15E911G	A-501E	DKA15E906G	GaAsP	Orange	628	2.1	2.8	2.0
C-501G	DKC15G910G	A-501G	DKA15G905G	GaP	Yellow Green	570	2.2	2.8	2.0
C-501Y	DKC15Y909G	A-501Y	DKA15Y904G	GaAsP	Yellow	587	2.1	2.8	1.6
C-501SR	DKC15SR908G	A-501SR	DKA15SR903G	GaAlAs	Red	640	1.8	2.2	21.0
C-501UB	DKC15UB907G	A-501UB	DKA15UB902G	GaInN	Blue	465	3.5	4.0	28.0

C/A-521X -SINGLE DIGIT DISPLAY



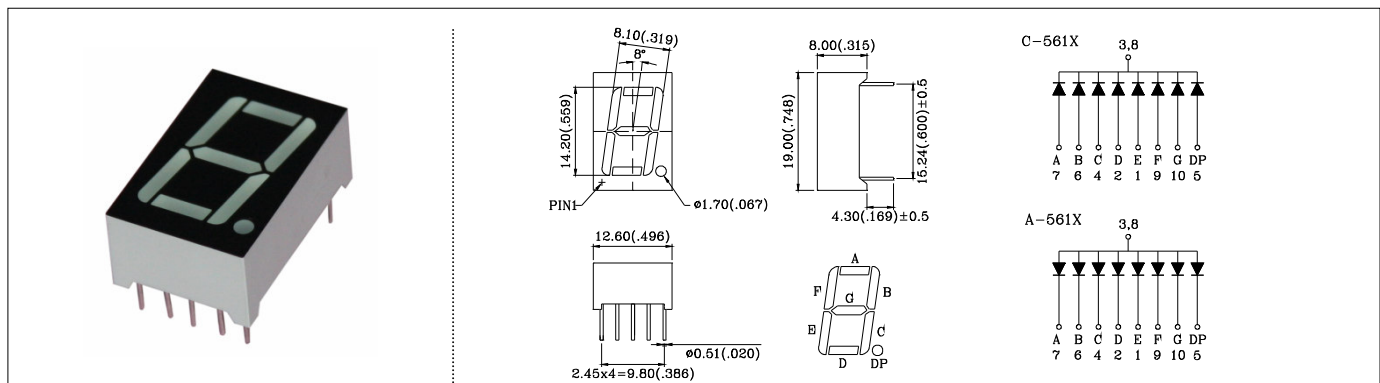
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-521E	DKC15E901G	A-521E	DKA15E896G	GaAsP	Orange	628	2.1	2.8	2.0
C-521G	DKC15G900G	A-521G	DKA15G895G	GaP	Yellow Green	570	2.2	2.8	2.0
C-521Y	DKC15Y899G	A-521Y	DKA15Y894G	GaAsP	Yellow	587	2.1	2.8	1.6
C-521SR	DKC15SR898G	A-521SR	DKA15SR893G	GaAlAs	Red	640	1.8	2.2	21.0
C-521UB	DKC15UB897G	A-521UB	DKA15UB892G	GaInN	Blue	465	3.5	4.0	28.0

C/A-551X -SINGLE DIGIT DISPLAY



Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-551E	DKC15E891G	A-551E	DKA15E886G	GaAsP	Orange	628	2.1	2.8	2.0
C-551G	DKC15G890G	A-551G	DKA15G885G	GaP	Yellow Green	570	2.2	2.8	2.0
C-551Y	DKC15Y889G	A-551Y	DKA15Y884G	GaAsP	Yellow	587	2.1	2.8	1.6
C-551SR	DKC15SR888G	A-551SR	DKA15SR883G	GaAlAs	Red	640	1.8	2.2	21.0
C-551UB	DKC15UB887G	A-551UB	DKA15UB882G	GaN	Blue	465	3.5	4.0	28.0

C/A-561X -SINGLE DIGIT DISPLAY

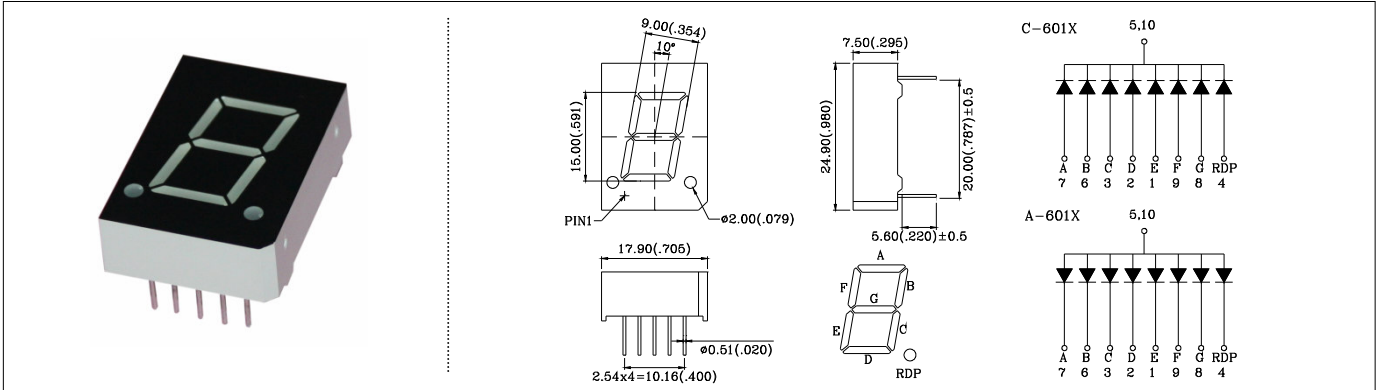


Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-561E	DKC15E881G	A-561E	DKA15E876G	GaAsP	Orange	628	2.1	2.8	2.0
C-561G	DKC15G880G	A-561G	DKA15G875G	GaP	Yellow Green	570	2.2	2.8	2.0
C-561Y	DKC15Y879G	A-561Y	DKA15Y874G	GaAsP	Yellow	587	2.1	2.8	1.6
C-561SR	DKC15SR878G	A-561SR	DKA15SR873G	GaAlAs	Red	640	1.8	2.2	21.0
C-561UB	DKC15UB877G	A-561UB	DKA15UB872G	GaN	Blue	465	3.5	4.0	33.0

DISPLAY

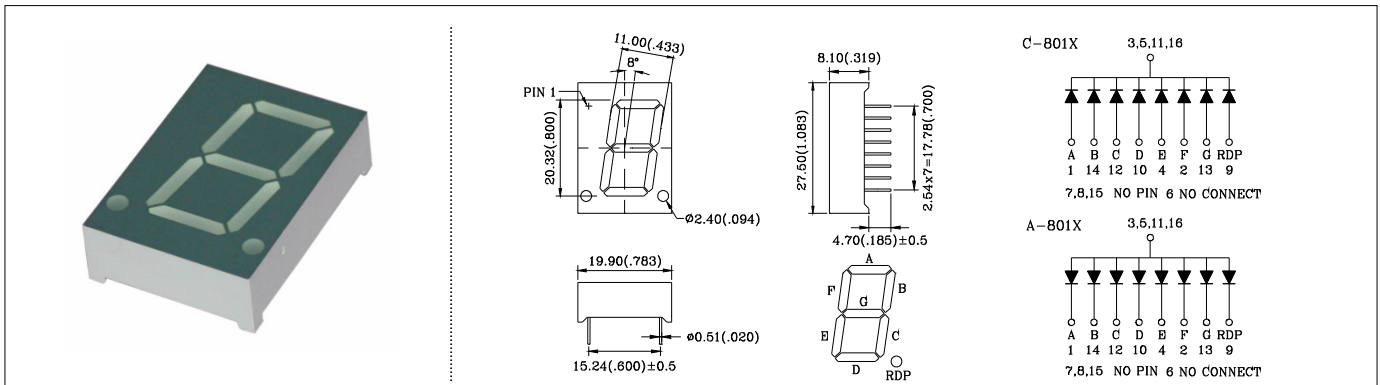
C/A-601X -SINGLE DIGIT DISPLAY

DISPLAY



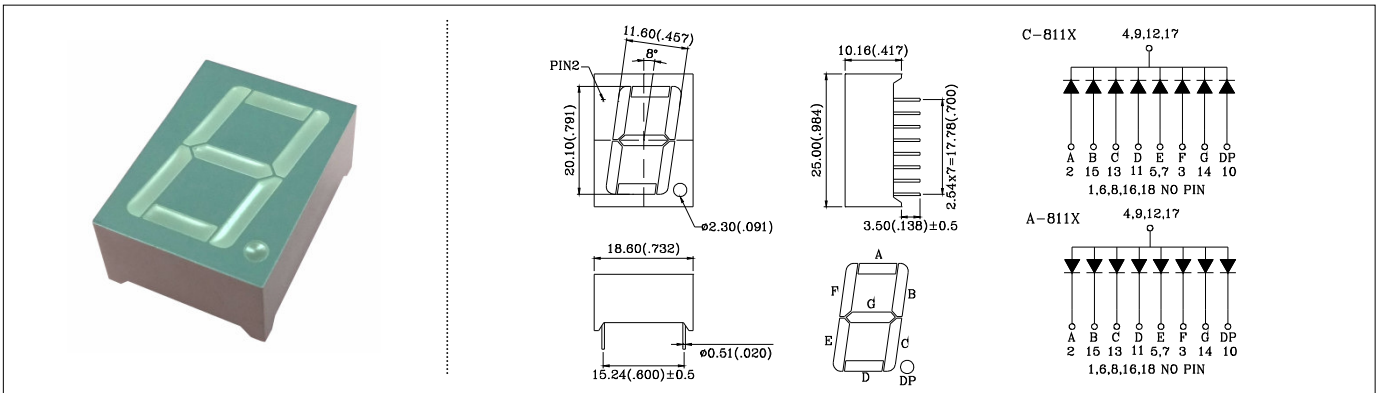
Common Cathode		Common Anode		Chip		Wave length λ_D (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-601E	DKC16E871G	A-601E	DKA16E867G	GaAsP	Orange	628	2.1	2.8	3.0
C-601G	DKC16G870G	A-601G	DKA16G866G	GaP	Yellow Green	570	2.2	2.8	3.0
C-601Y	DKC16Y869G	A-601Y	DKA16Y865G	GaAsP	Yellow	587	2.1	2.8	3.0
C-601SR	DKC16SR868G	A-601SR	DKA16SR864G	GaAlAs	Red	640	1.8	2.2	21.0

C/A-801X -SINGLE DIGIT DISPLAY



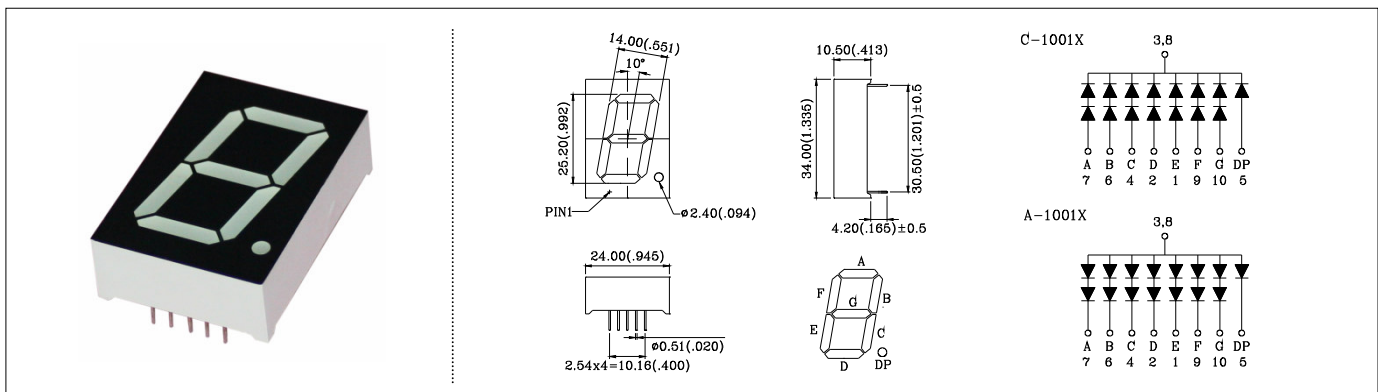
Common Cathode		Common Anode		Chip		Wave length λ_D (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-801E	DKC18E863G	A-801E	DKA18E859G	GaAsP	Orange	628	2.1	2.8	3.0
C-801G	DKC18G862G	A-801G	DKA18G858G	GaP	Yellow Green	570	2.2	2.8	3.0
C-801Y	DKC18Y861G	A-801Y	DKA18Y857G	GaAsP	Yellow	587	2.1	2.8	2.5
C-801SR	DKC18SR860G	A-801SR	DKA18SR856G	GaAlAs	Red	640	1.8	2.2	21.0

C/A-811X -SINGLE DIGIT DISPLAY



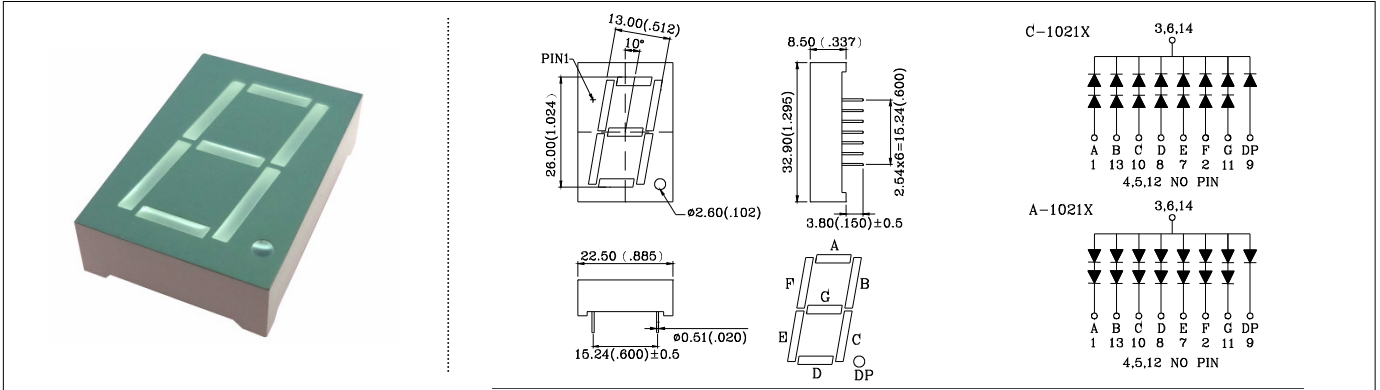
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-811E	DKC18E855G	A-811E	DKA18E851G	GaAsP	Orange	628	2.1	2.8	3.0
C-811G	DKC18G854G	A-811G	DKA18G850G	GaP	Yellow Green	570	2.2	2.8	3.0
C-811Y	DKC18Y853G	A-811Y	DKA18Y849G	GaAsP	Yellow	587	2.1	2.8	3.0
C-811SR	DKC18SR852G	A-811SR	DKA18SR848G	GaAlAs	Red	640	1.8	2.2	21.0

C/A-1001X -SINGLE DIGIT DISPLAY



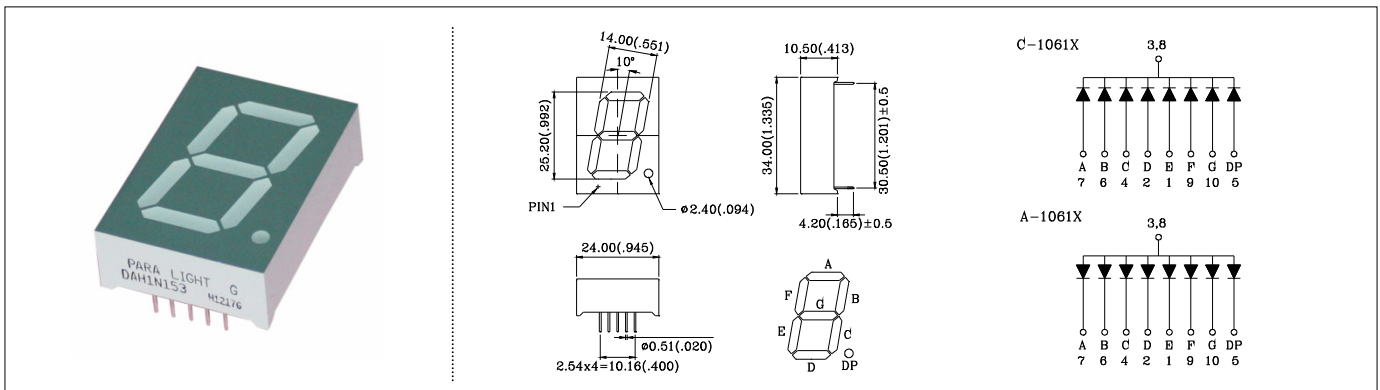
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-1001E	DKC1AE847G	A-1001E	DKA1AE842G	GaAsP	Orange	628	4.2(2.1)	5.6(2.8)	4.2
C-1001G	DKC1AG846G	A-1001G	DKA1AG841G	GaP	Yellow Green	570	4.4(2.2)	5.6(2.8)	4.0
C-1001Y	DKC1AY845G	A-1001Y	DKA1AY840G	GaAsP	Yellow	587	4.2(2.1)	5.6(2.8)	3.0
C-1001SR	DKC1ASR844G	A-1001SR	DKA1ASR839G	GaAlAs	Red	640	3.6(1.8)	4.4(2.2)	40.0
C-1001UB	DKC1AUB843G	A-1001UB	DKA1AUB838G	GaN	Blue	465	7.0(3.5)	8.0(4.0)	52.0

C/A-1021X - SINGLE DIGIT DISPLAY



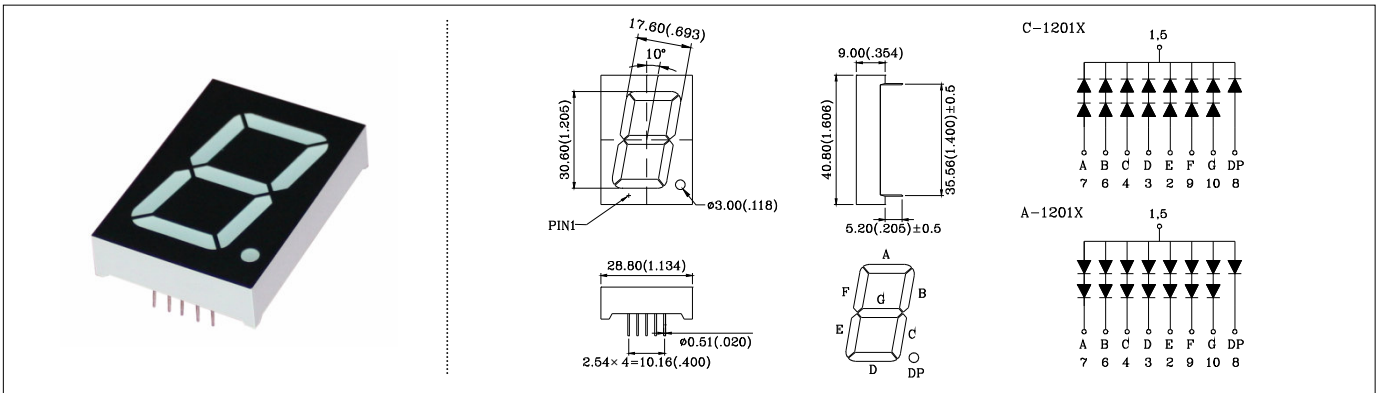
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-1021E	DKC1AE837G	A-1021E	DKA1AE832G	GaAsP	Orange	628	4.2(2.1)	5.6(2.8)	4.2
C-1021G	DKC1AG836G	A-1021G	DKA1AG831G	GaP	Yellow Green	570	4.4(2.2)	5.6(2.8)	4.0
C-1021Y	DKC1AY835G	A-1021Y	DKA1AY830G	GaAsP	Yellow	587	4.2(2.1)	5.6(2.8)	3.2
C-1021SR	DKC1ASR834G	A-1021SR	DKA1ASR829G	GaAlAs	Red	640	3.6(1.8)	4.4(2.2)	40.0
C-1021UB	DKC1AUB833G	A-1021UB	DKA1AUB828G	GaInN	Blue	465	7.0(3.5)	8.0(4.0)	52.0

C/A-1061X - SINGLE DIGIT DISPLAY



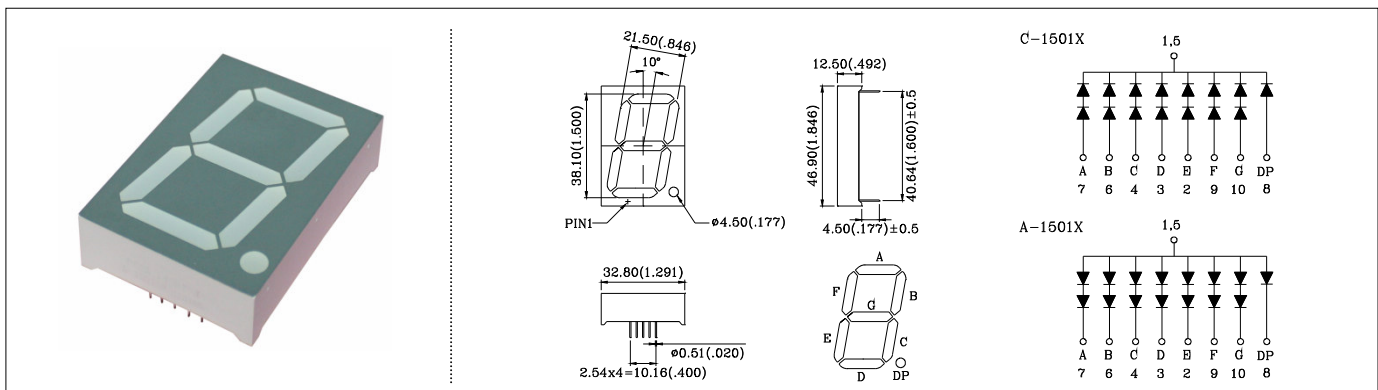
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-1061E	DKC1AE827G	A-1061E	DKA1AE823G	GaAsP	Orange	628	2.1	2.8	4.2
C-1061G	DKC1AG826G	A-1061G	DKA1AG822G	GaP	Yellow Green	570	2.2	2.8	4.0
C-1061Y	DKC1AY825G	A-1061Y	DKA1AY821G	GaAsP	Yellow	587	2.1	2.8	3.2
C-1061SR	DKC1ASR824G	A-1061SR	DKA1ASR820G	GaAlAs	Red	640	1.8	2.2	40.0

C/A-1201X - SINGLE DIGIT DISPLAY



Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-1201E	DKC1AE819G	A-1201E	DKA1AE814G	GaAsP	Orange	628	4.2(2.1)	5.6(2.8)	4.2
C-1201G	DKC1AG818G	A-1201G	DKA1AG813G	GaP	Yellow Green	570	4.4(2.2)	5.6(2.8)	4.0
C-1201Y	DKC1AY817G	A-1201Y	DKA1AY812G	GaAsP	Yellow	587	4.2(2.1)	5.6(2.8)	3.0
C-1201SR	DKC1ASR816G	A-1201SR	DKA1ASR811G	GaAlAs	Red	640	3.6(1.8)	4.4(2.2)	40.0
C-1201UB	DKC1AUB815G	A-1201UB	DKA1AUB810G	GaN	Blue	465	7.0(3.5)	8.0(4.0)	48.0

C/A-1501X - SINGLE DIGIT DISPLAY

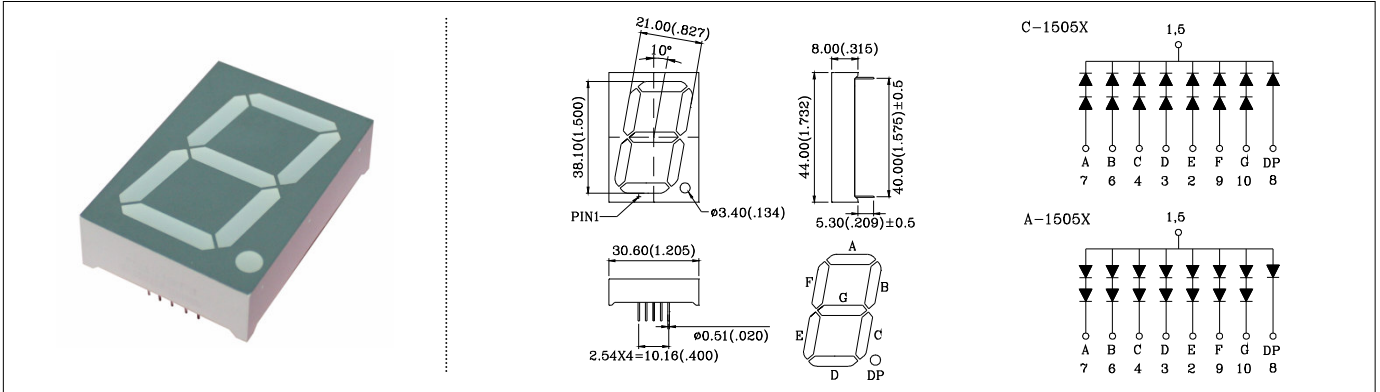


Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-1501E	DKC1AE809G	A-1501E	DKA1AE805G	GaAsP	Orange	628	4.2(2.1)	5.6(2.8)	4.2
C-1501G	DKC1AG808G	A-1501G	DKA1AG804G	GaP	Yellow Green	570	4.4(2.2)	5.6(2.8)	4.0
C-1501Y	DKC1AY807G	A-1501Y	DKA1AY803G	GaAsP	Yellow	587	4.2(2.1)	5.6(2.8)	3.2
C-1501SR	DKC1ASR806G	A-1501SR	DKA1ASR802G	GaAlAs	Red	640	3.6(1.8)	4.4(2.2)	40.0

DISPLAY

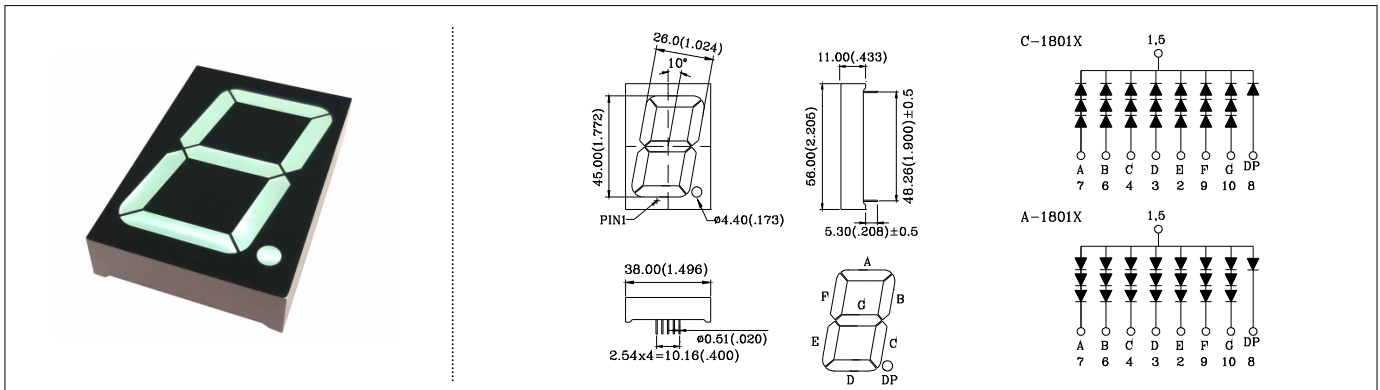
C/A-1505X - SINGLE DIGIT DISPLAY

DISPLAY



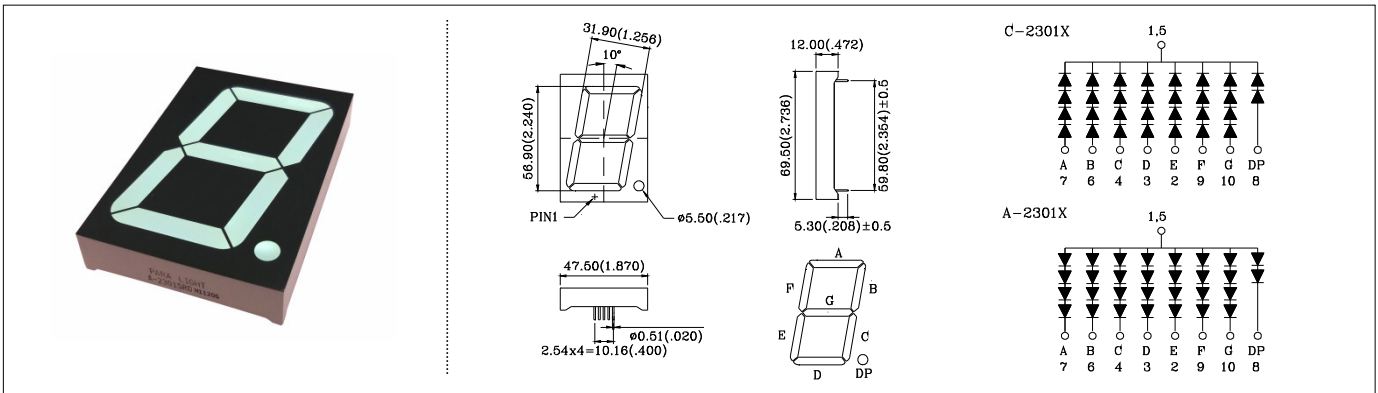
Common Cathode		Common Anode		Chip		Wave length λ_D (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-1505E	DKC1AE801G	A-1505E	DKA1AE797G	GaAsP	Orange	628	4.2(2.1)	5.6(2.8)	4.2
C-1505G	DKC1AG800G	A-1505G	DKA1AG796G	GaP	Yellow Green	570	4.4(2.2)	5.6(2.8)	4.0
C-1505Y	DKC1AY799G	A-1505Y	DKA1AY795G	GaAsP	Yellow	587	4.2(2.1)	5.6(2.8)	3.2
C-1505SR	DKC1ASR798G	A-1505SR	DKA1ASR794G	GaAlAs	Red	640	3.6(1.8)	4.4(2.2)	40.0

C/A-1801X - SINGLE DIGIT DISPLAY



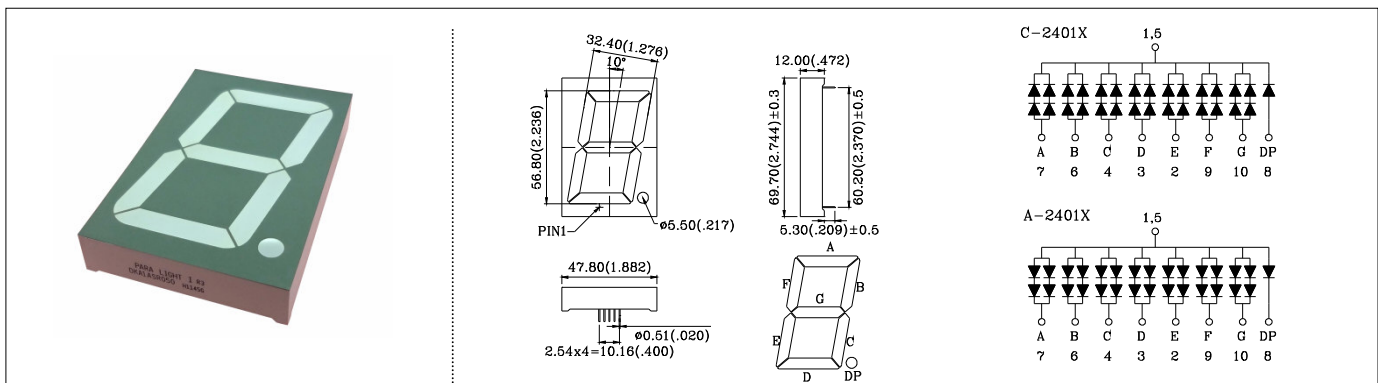
Common Cathode		Common Anode		Chip		Wave length λ_D (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-1801E	DKC1AE793G	A-1801E	DKA1AE788G	GaAsP	Orange	628	6.3(2.1)	8.4(2.8)	5.6
C-1801G	DKC1AG792G	A-1801G	DKA1AG787G	GaP	Yellow Green	570	6.6(2.2)	8.4(2.8)	5.2
C-1801Y	DKC1AY791G	A-1801Y	DKA1AY786G	GaAsP	Yellow	587	6.3(2.1)	8.4(2.8)	5.2
C-1801SR	DKC1ASR790G	A-1801SR	DKA1ASR785G	GaAlAs	Red	640	5.4(1.8)	6.6(2.2)	40.0
C-1801UB	DKC1AUB789G	A-1801UB	DKA1AUB784G	GaN	Blue	465	10.5(3.5)	12.0(4.0)	52.0

C/A-2301X - SINGLE DIGIT DISPLAY



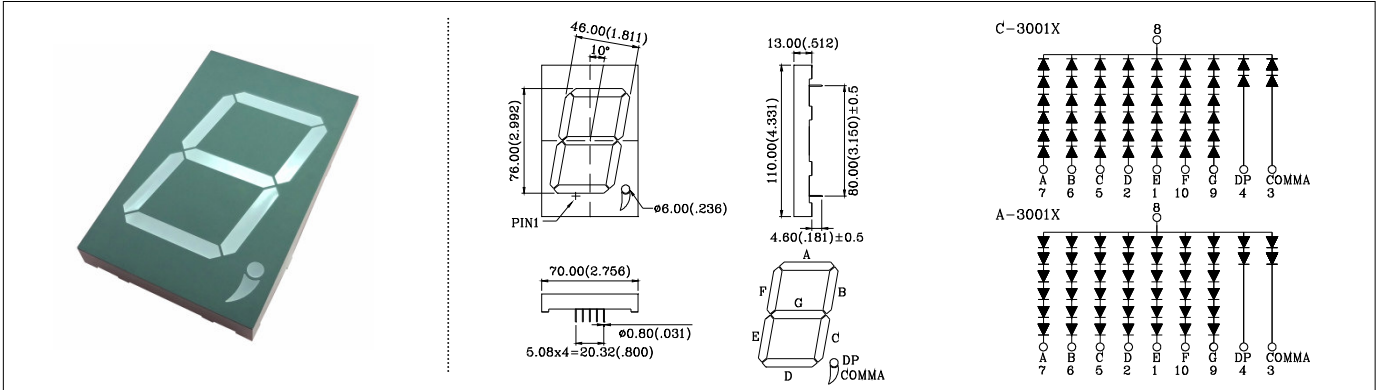
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-2301E	DKC1AE783G	A-2301E	DKA1AE778G	GaAsP	Orange	628	8.4(4.2)	11.2(5.6)	5.5
C-2301G	DKC1AG782G	A-2301G	DKA1AG777G	GaP	Yellow Green	570	8.8(4.4)	11.2(5.6)	5.5
C-2301Y	DKC1AY781G	A-2301Y	DKA1AY776G	GaAsP	Yellow	587	8.4(4.2)	11.2(5.6)	5.4
C-2301SR	DKC1ASR780G	A-2301SR	DKA1ASR775G	GaAlAs	Red	640	7.2(3.6)	8.8(4.4)	50.0
C-2301UB	DKC1AUB779G	A-2301UB	DKA1AUB774G	GaInN	Blue	465	14.0(7.0)	16.0(8.0)	56.0

C/A-2401X - SINGLE DIGIT DISPLAY



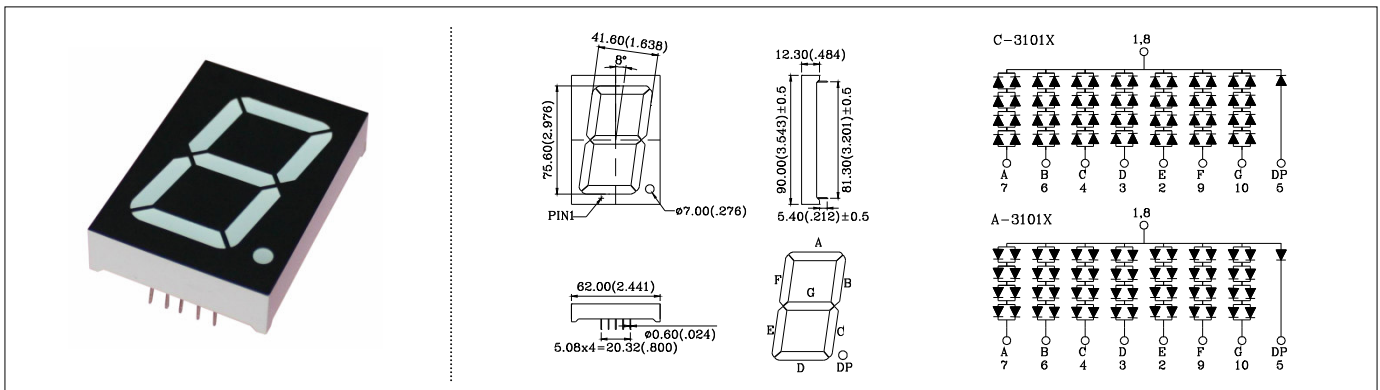
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-2401E	DKC1AE773G	A-2401E	DKA1AE769G	GaAsP	Orange	628	4.2(2.1)	5.6(2.8)	5.5
C-2401G	DKC1AG772G	A-2401G	DKA1AG768G	GaP	Yellow Green	570	4.4(2.2)	5.6(2.8)	5.5
C-2401Y	DKC1AY771G	A-2401Y	DKA1AY767G	GaAsP	Yellow	587	4.2(2.1)	5.6(2.8)	5.4
C-2401SR	DKC1ASR770G	A-2401SR	DKA1ASR766G	GaAlAs	Red	640	3.6(1.8)	4.4(2.2)	50.0

C/A-3001X - SINGLE DIGIT DISPLAY



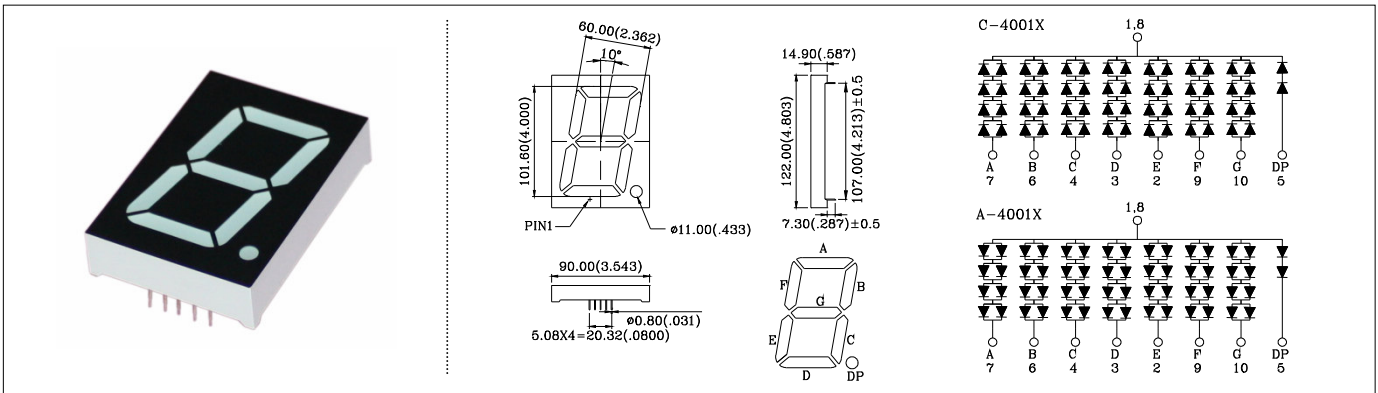
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-3001E	DKC1AE765G	A-3001E	DKA1AE760G	GaAsP	Orange	628	12.6(4.2)	16.8(5.6)	6.0
C-3001G	DKC1AG764G	A-3001G	DKA1AG759G	GaP	Yellow Green	570	13.2(4.4)	16.8(5.6)	5.4
C-3001Y	DKC1AY763G	A-3001Y	DKA1AY758G	GaAsP	Yellow	587	12.6(4.2)	16.8(5.6)	5.4
C-3001SR	DKC1ASR762G	A-3001SR	DKA1ASR757G	GaAlAs	Red	640	10.8(3.6)	13.2(4.4)	42.0
C-3001UB	DKC1AUB761G	A-3001UB	DKA1AUB756G	GaInN	Blue	465	21.0(7.0)	24.0(8.0)	56.0

C/A-3101X - SINGLE DIGIT DISPLAY



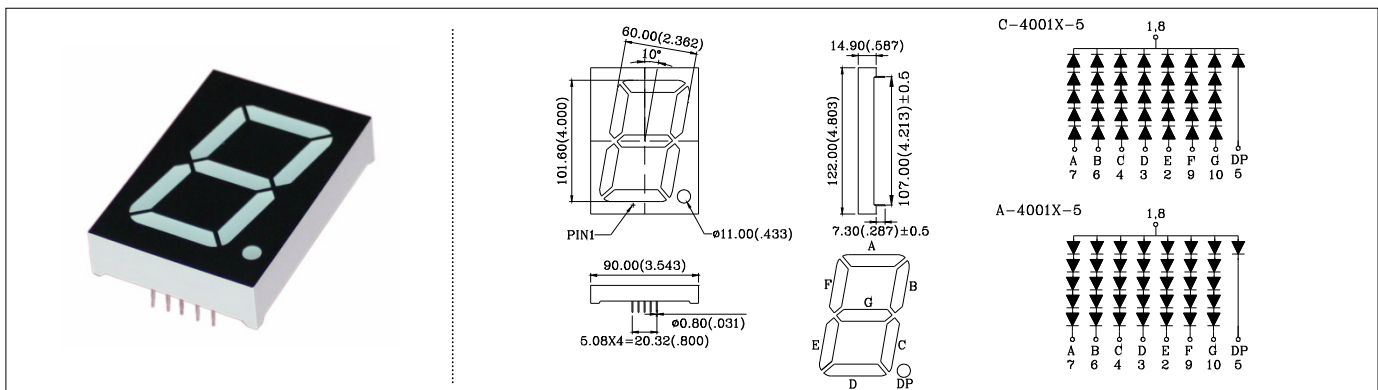
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-3101E	DKC1AE755G	A-3101E	DKA1AE751G	GaAsP	Orange	628	8.4(2.1)	11.2(2.8)	9.0
C-3101G	DKC1AG754G	A-3101G	DKA1AG750G	GaP	Yellow Green	570	8.8(2.2)	11.2(2.8)	8.0
C-3101Y	DKC1AY753G	A-3101Y	DKA1AY749G	GaAsP	Yellow	587	8.4(2.1)	11.2(2.8)	8.0
C-3101SR	DKC1ASR752G	A-3101SR	DKA1ASR748G	GaAlAs	Red	640	7.2(1.8)	8.8(2.2)	50.0

C/A-4001X - SINGLE DIGIT DISPLAY



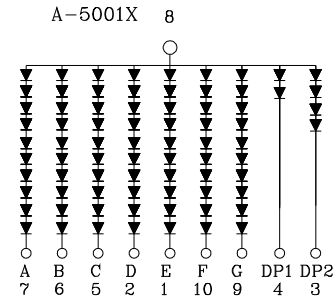
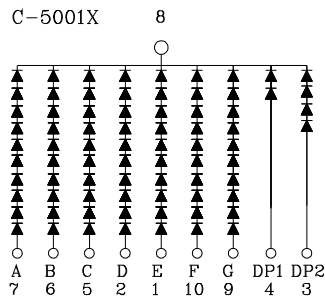
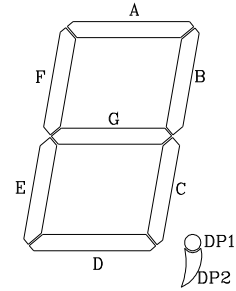
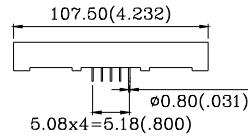
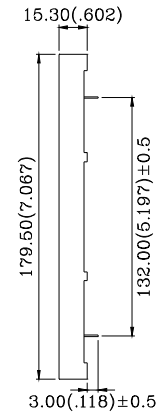
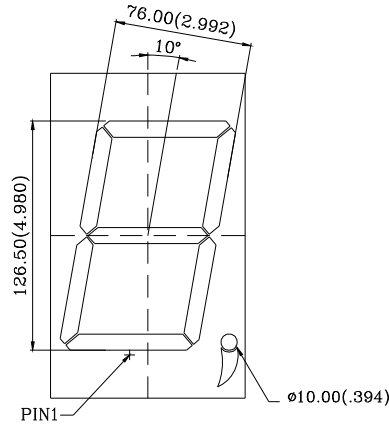
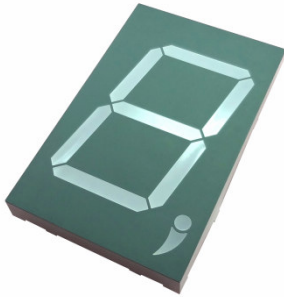
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-4001E	DKC1AE747G	A-4001E	DKA1AE742G	GaAsP	Orange	628	8.4(2.1)	11.2(2.8)	12.0
C-4001G	DKC1AG746G	A-4001G	DKA1AG741G	GaP	Yellow Green	570	8.8(2.2)	11.2(2.8)	9.0
C-4001Y	DKC1AY745G	A-4001Y	DKA1AY740G	GaAsP	Yellow	587	8.4(2.1)	11.2(2.8)	9.0
C-4001SR	DKC1ASR744G	A-4001SR	DKA1ASR739G	GaAlAs	Red	640	7.2(1.8)	8.8(2.2)	60.0
C-4001UB	DKC1AUB743G	A-4001UB	DKA1AUB738G	GaInN	Blue	465	14.0(3.5)	16.0(4.0)	80.0

C/A-4001X-5 - SINGLE DIGIT DISPLAY



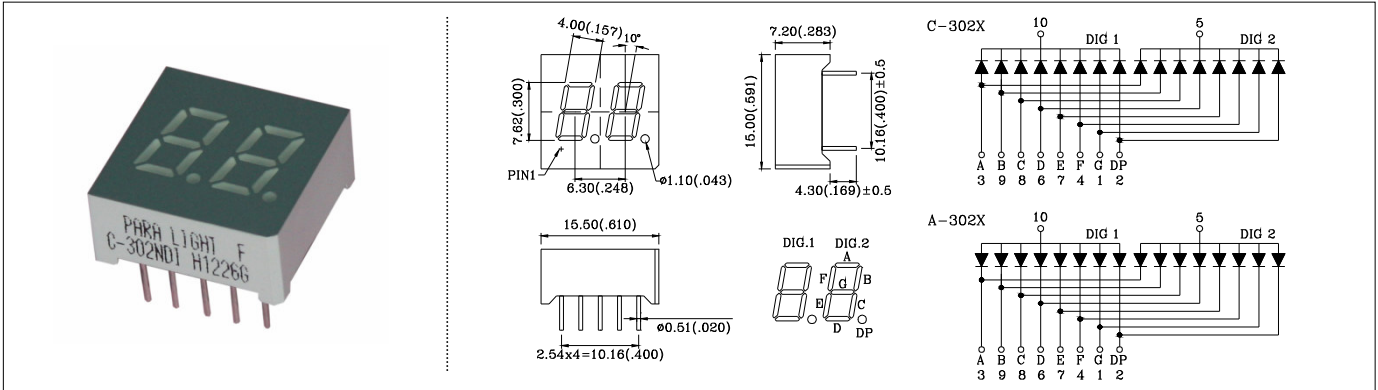
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-4001E-5	DKC1AE737G	A-4001E-5	DKA1AE732G	GaAsP	Orange	628	10.5(2.1)	14.0(2.8)	12.0
C-4001G-5	DKC1AG736G	A-4001G-5	DKA1AG731G	GaP	Yellow Green	570	11.0(2.2)	14.0(2.8)	9.0
C-4001Y-5	DKC1AY735G	A-4001Y-5	DKA1AY730G	GaAsP	Yellow	587	10.5(2.1)	14.0(2.8)	9.0
C-4001SR-5	DKC1ASR734G	A-4001SR-5	DKA1ASR729G	GaAlAs	Red	640	9.0(1.8)	11.0(2.2)	50.0
C-4001UB-5	DKC1AUB733G	A-4001UB-5	DKA1AUB728G	GaInN	Blue	465	17.5(3.5)	20.0(4.0)	80.0

C/A-5001X - SINGLE DIGIT DISPLAY



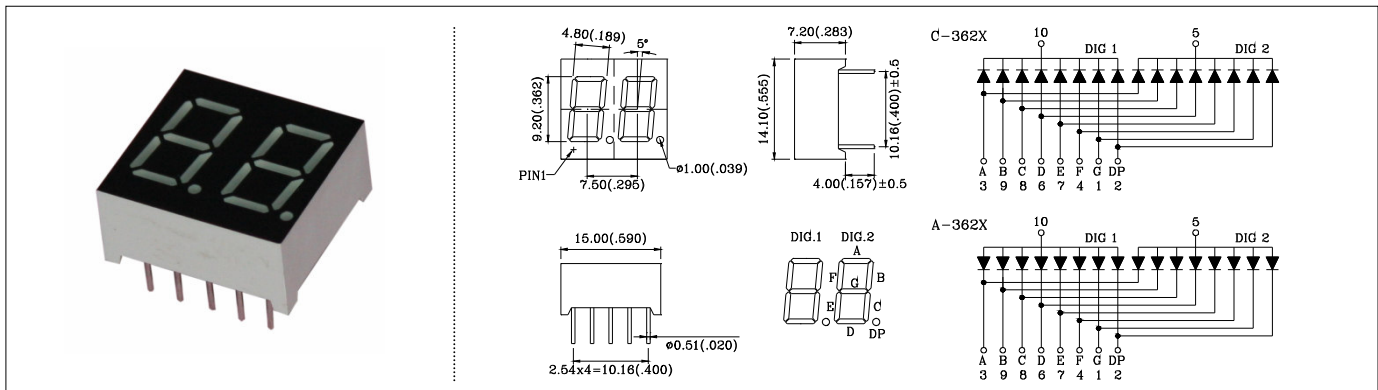
Common Cathode		Common Anode		Chip		Wave length λ_D (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-5001E	DKC1AE727G	A-5001E	DKA1AE723G	GaAsP	Orange	628	21.0(4.2,6.3)	28.0(5.6,8.4)	35.0
C-5001G	DKC1AG726G	A-5001G	DKA1AG722G	GaP	Yellow Green	570	22.0(4.4,6.6)	28.0(5.6,8.4)	30.0
C-5001Y	DKC1AY725G	A-5001Y	DKA1AY721G	GaAsP	Yellow	587	21.0(4.2,6.3)	28.0(5.6,8.4)	30.0
C-5001SR	DKC1ASR724G	A-5001SR	DKA1ASR720G	GaAlAs	Red	640	18.0(3.6,5.4)	22.0(4.4,4.6)	60.0

C/A-302X -DUAL DIGITS DISPLAY



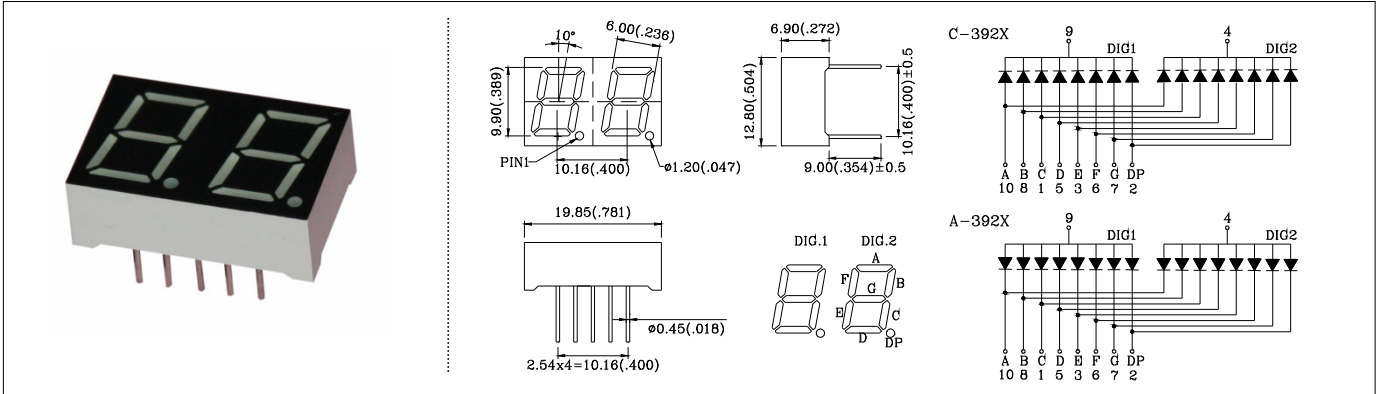
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-302E	DKC23E719G	A-302E	DKA23E715G	GaAsP	Orange	628	2.1	2.8	1.8
C-302G	DKC23G718G	A-302G	DKA23G714G	GaP	Yellow Green	570	2.2	2.8	1.6
C-302Y	DKC23Y717G	A-302Y	DKA23Y713G	GaAsP	Yellow	587	2.1	2.8	1.5
C-302SR	DKC23SR716G	A-302SR	DKA23SR712G	GaAlAs	Red	640	1.8	2.2	5.0

C/A-362X -DUAL DIGITS DISPLAY



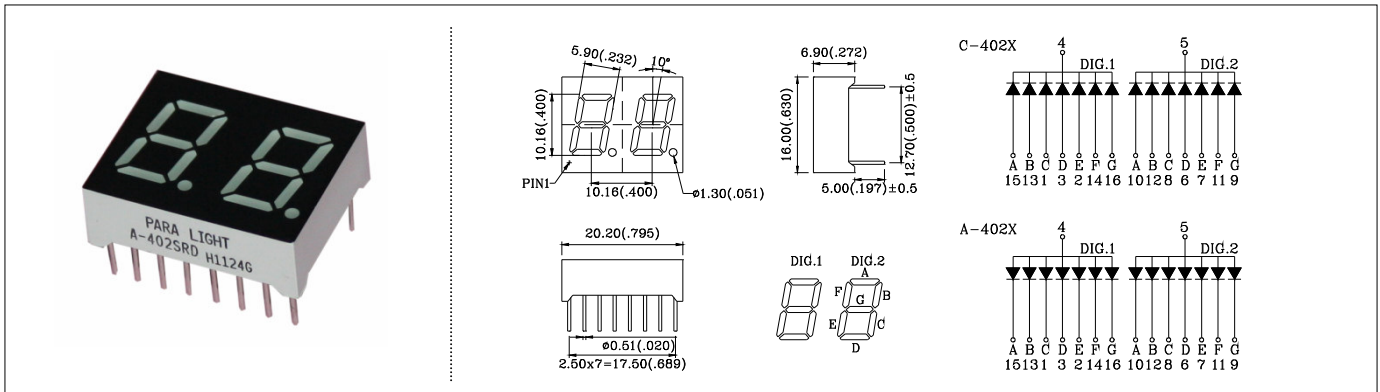
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-362E	DKC23E711G	A-362E	DKA23E706G	GaAsP	Orange	628	2.1	2.8	1.8
C-362G	DKC23G710G	A-362G	DKA23G705G	GaP	Yellow Green	570	2.2	2.8	1.6
C-362Y	DKC23Y709G	A-362Y	DKA23Y704G	GaAsP	Yellow	587	2.1	2.8	1.5
C-362SR	DKC23SR708G	A-362SR	DKA23SR703G	GaAlAs	Red	640	1.8	2.2	5.0
C-362UB	DKC23UB707G	A-362UB	DKA23UB702G	GaN	Blue	465	3.5	4.0	10.0

C/A-392X -DUAL DIGITS DISPLAY



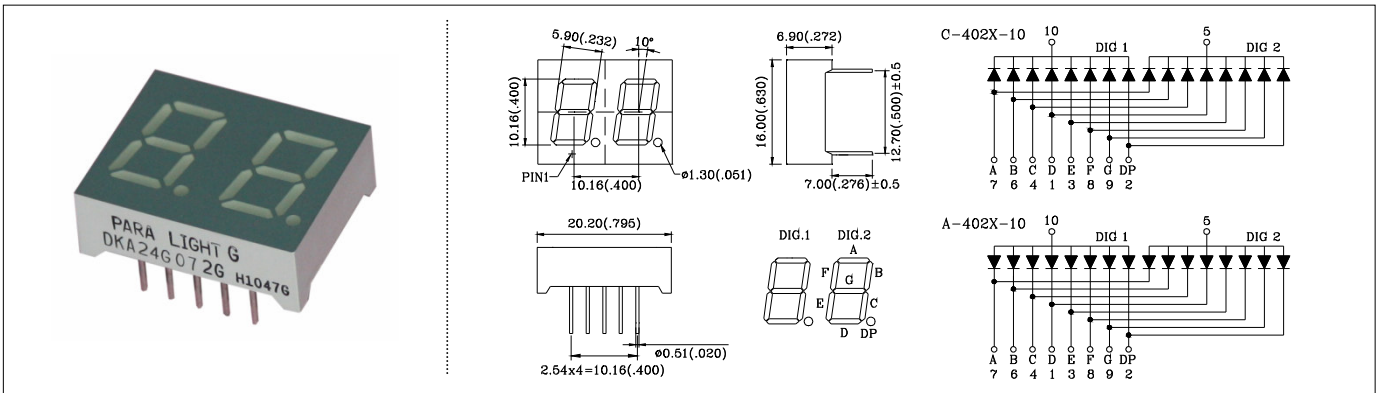
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-392E	DKC23E701G	A-392E	DKA23E696G	GaAsP	Orange	628	2.1	2.8	1.8
C-392G	DKC23G700G	A-392G	DKA23G695G	GaP	Yellow Green	570	2.2	2.8	1.6
C-392Y	DKC23Y699G	A-392Y	DKA23Y694G	GaAsP	Yellow	587	2.1	2.8	1.5
C-392SR	DKC23SR698G	A-392SR	DKA23SR693G	GaAlAs	Red	640	1.8	2.2	8.0
C-392UB	DKC23UB697G	A-392UB	DKA23UB692G	GaInN	Blue	465	3.5	4.0	10.0

C/A-402X -DUAL DIGITS DISPLAY



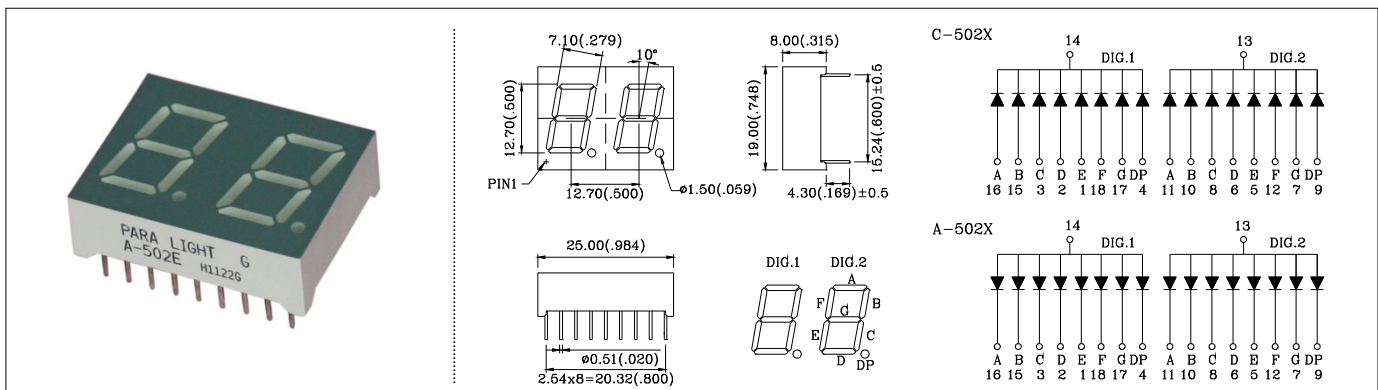
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-402E	DKC24E691G	A-402E	DKA24E686G	GaAsP	Orange	628	2.1	2.8	2.0
C-402G	DKC24G690G	A-402G	DKA24G685G	GaP	Yellow Green	570	2.2	2.8	2.0
C-402Y	DKC24Y689G	A-402Y	DKA24Y684G	GaAsP	Yellow	587	2.1	2.8	1.6
C-402SR	DKC24SR688G	A-402SR	DKA24SR683G	GaAlAs	Red	640	1.8	2.2	10.0
C-402UB	DKC24UB687G	A-402UB	DKA24UB682G	GaInN	Blue	465	3.5	4.0	15.0

C/A-402X-10 -DUAL DIGITS DISPLAY



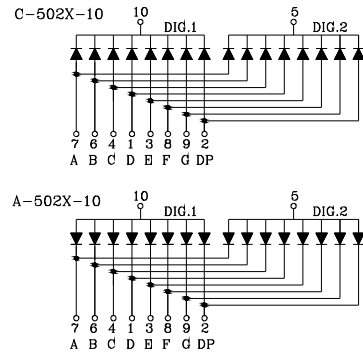
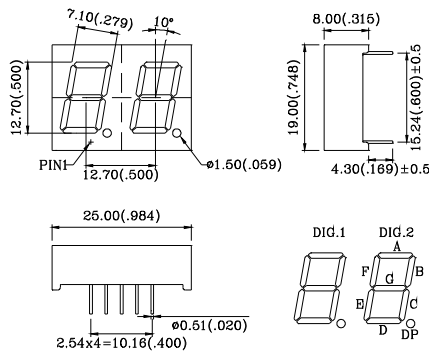
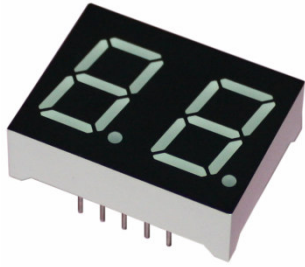
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-402E-10	DKC24E681G	A-402E-10	DKA24E676G	GaAsP	Orange	628	2.1	2.8	2.0
C-402G-10	DKC24G680G	A-402G-10	DKA24G675G	GaP	Yellow Green	570	2.2	2.8	2.0
C-402Y-10	DKC24Y679G	A-402Y-10	DKA24Y674G	GaAsP	Yellow	587	2.1	2.8	1.6
C-402SR-10	DKC24SR678G	A-402SR-10	DKA24SR673G	GaAlAs	Red	640	1.8	2.2	10.0
C-402UB-10	DKC24UB677G	A-402UB-10	DKA24UB672G	GaInN	Blue	465	3.5	4.0	15.0

C/A-502X -DUAL DIGITS DISPLAY



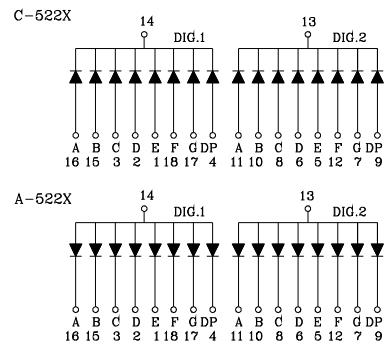
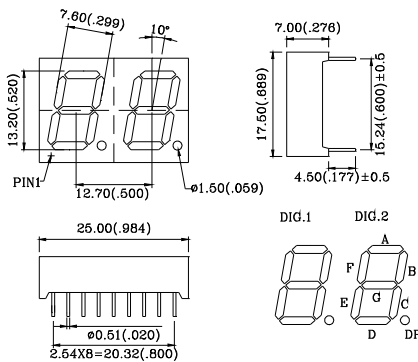
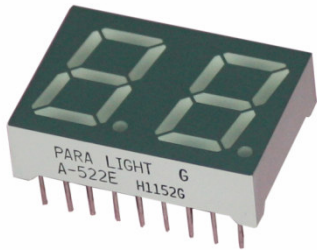
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-502E	DKC25E671G	A-502E	DKA25E666G	GaAsP	Orange	628	2.1	2.8	2.0
C-502G	DKC25G670G	A-502G	DKA25G665G	GaP	Yellow Green	570	2.2	2.8	2.0
C-502Y	DKC25Y669G	A-502Y	DKA25Y664G	GaAsP	Yellow	587	2.1	2.8	1.6
C-502SR	DKC25SR668G	A-502SR	DKA25SR663G	GaAlAs	Red	640	1.8	2.2	21.0
C-502UB	DKC25UB667G	A-502UB	DKA25UB662G	GaInN	Blue	465	3.5	4.0	28.0

C/A-502X-10 - DUAL DIGITS DISPLAY



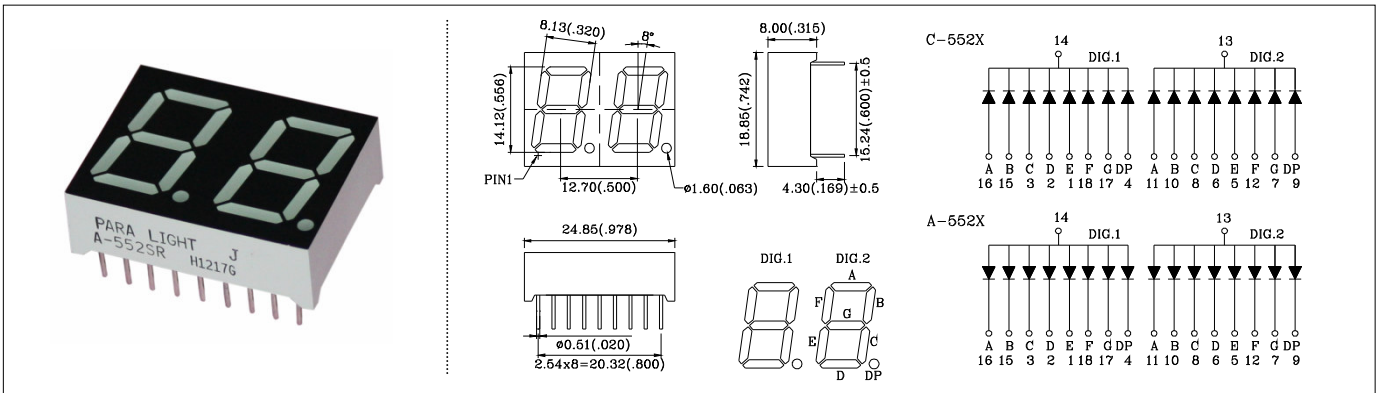
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-502E-10	DKC25E661G	A-502E-10	DKA25E656G	GaAsP	Orange	628	2.1	2.8	2.0
C-502G-10	DKC25G660G	A-502G-10	DKA25G655G	GaP	Yellow Green	570	2.2	2.8	2.0
C-502Y-10	DKC25Y659G	A-502Y-10	DKA25Y654G	GaAsP	Yellow	587	2.1	2.8	1.6
C-502SR-10	DKC25SR658G	A-502SR-10	DKA25SR653G	GaAlAs	Red	640	1.8	2.2	21.0
C-502UB-10	DKC25UB657G	A-502UB-10	DKA25UB652G	GaInN	Blue	465	3.5	4.0	28.0

C/A-522X - DUAL DIGITS DISPLAY



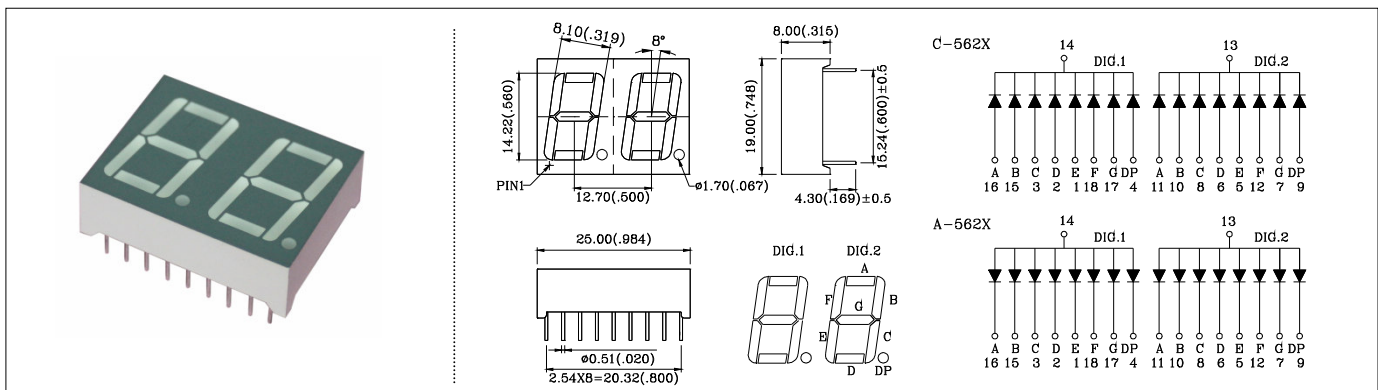
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-522E	DKC25E651G	A-522E	DKA25E647G	GaAsP	Orange	628	2.1	2.8	2.0
C-522G	DKC25G650G	A-522G	DKA25G646G	GaP	Yellow Green	570	2.2	2.8	2.0
C-522Y	DKC25Y649G	A-522Y	DKA25Y645G	GaAsP	Yellow	587	2.1	2.8	1.6
C-522SR	DKC25SR648G	A-522SR	DKA25SR644G	GaAlAs	Red	640	1.8	2.2	21.0

C/A-552X -DUAL DIGITS DISPLAY



Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-552E	DKC25E643G	A-552E	DKA25E639G	GaAsP	Orange	628	2.1	2.8	2.0
C-552G	DKC25G642G	A-552G	DKA25G638G	GaP	Yellow Green	570	2.2	2.8	2.0
C-552Y	DKC25Y641G	A-552Y	DKA25Y637G	GaAsP	Yellow	587	2.1	2.8	1.6
C-552SR	DKC25SR640G	A-552SR	DKA25SR636G	GaAlAs	Red	640	1.8	2.2	21.0

C/A-562X -DUAL DIGITS DISPLAY

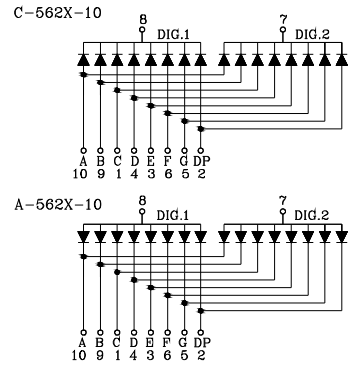
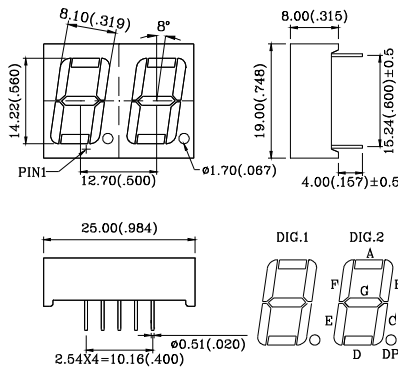
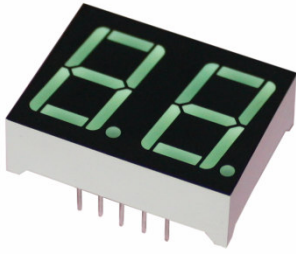


Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-562E	DKC25E635G	A-562E	DKA25E630G	GaAsP	Orange	628	2.1	2.8	2.0
C-562G	DKC25G634G	A-562G	DKA25G629G	GaP	Yellow Green	570	2.2	2.8	2.0
C-562Y	DKC25Y633G	A-562Y	DKA25Y628G	GaAsP	Yellow	587	2.1	2.8	1.6
C-562SR	DKC25SR632G	A-562SR	DKA25SR627G	GaAlAs	Red	640	1.8	2.2	21.0
C-562UB	DKC25UB631G	A-562UB	DKA25UB626G	GaN	Blue	465	3.5	4.0	28.0

DISPLAY

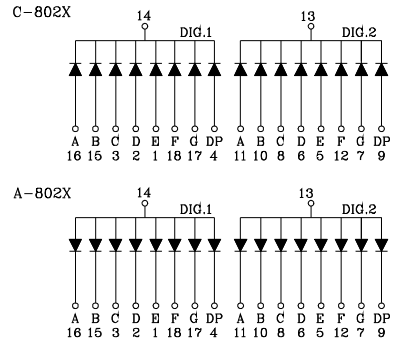
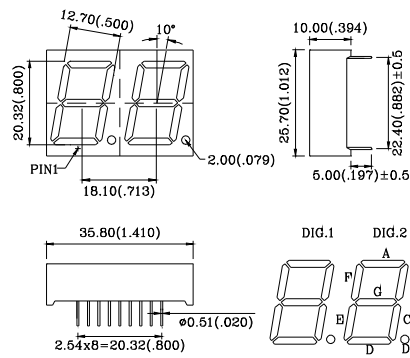
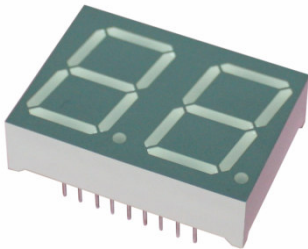
C/A-562X-10 - DUAL DIGITS DISPLAY

DISPLAY



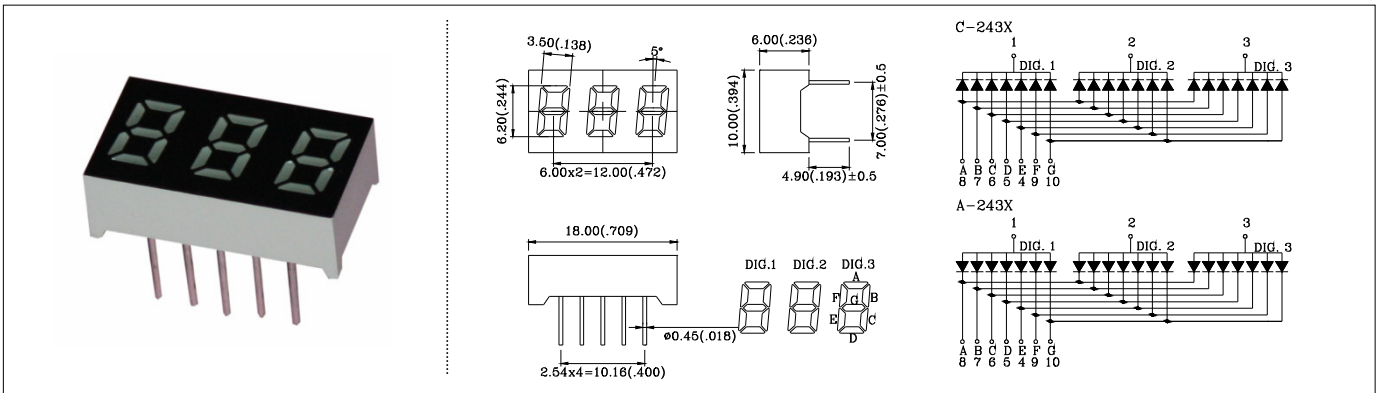
Common Cathode		Common Anode		Chip		Wave length λ_D (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-562E-10	DKC25E625G	A-562E-10	DKA25E620G	GaAsP	Orange	628	2.1	2.8	2.0
C-562G-10	DKC25G624G	A-562G-10	DKA25G619G	GaP	Yellow Green	570	2.2	2.8	2.0
C-562Y-10	DKC25Y623G	A-562Y-10	DKA25Y618G	GaAsP	Yellow	587	2.1	2.8	1.6
C-562SR-10	DKC25SR622G	A-562SR-10	DKA25SR617G	GaAlAs	Red	640	1.8	2.2	21.0
C-562UB-10	DKC25UB621G	A-562UB-10	DKA25UB616G	GaInN	Blue	465	3.5	4.0	28.0

C/A-802X - DUAL DIGITS DISPLAY



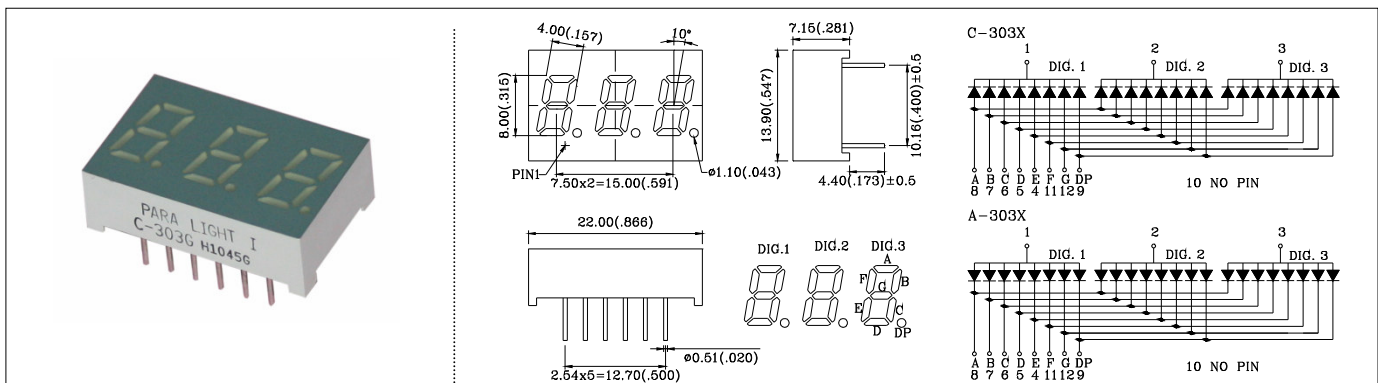
Common Cathode		Common Anode		Chip		Wave length λ_D (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-802E	DKC28E615G	A-802E	DKA28E610G	GaAsP	Orange	628	2.1	2.8	3.0
C-802G	DKC28G614G	A-802G	DKA28G609G	GaP	Yellow Green	570	2.2	2.8	3.0
C-802Y	DKC28Y613G	A-802Y	DKA28Y608G	GaAsP	Yellow	587	2.1	2.8	2.5
C-802SR	DKC28SR612G	A-802SR	DKA28SR607G	GaAlAs	Red	640	1.8	2.2	21.0
C-802UB	DKC28UB611G	A-802UB	DKA28UB606G	GaInN	Blue	465	3.5	4.0	28.0

C/A-243X -THREE DIGITS DISPLAY



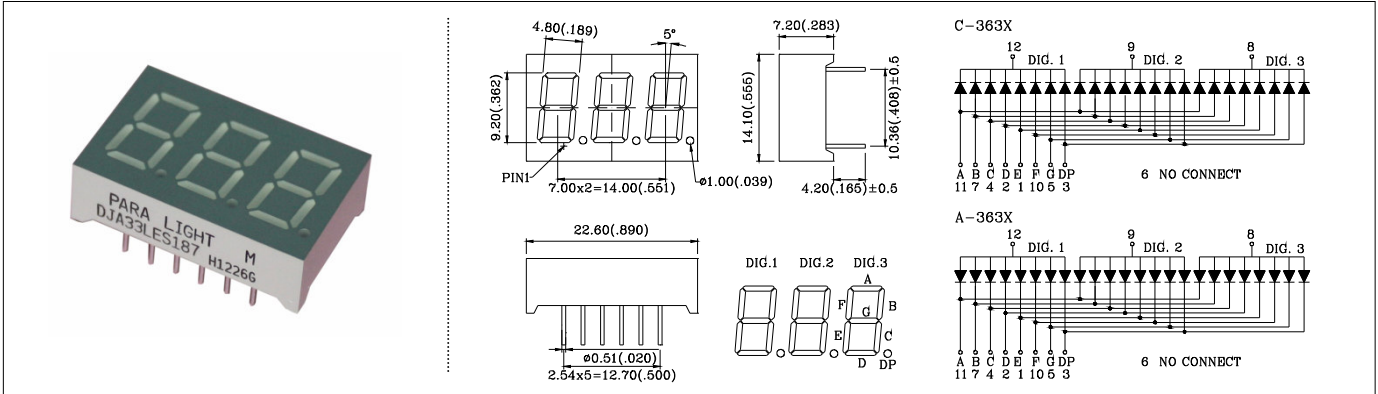
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-243E	DKC32E605G	A-243E	DKA32E601G	GaAsP	Orange	628	2.1	2.8	1.8
C-243G	DKC32G604G	A-243G	DKA32G600G	GaP	Yellow Green	570	2.2	2.8	1.6
C-243Y	DKC32Y603G	A-243Y	DKA32Y599G	GaAsP	Yellow	587	2.1	2.8	1.6
C-243SR	DKC32SR602G	A-243SR	DKA32SR598G	GaAlAs	Red	640	1.8	2.2	5.0

C/A-303X -THREE DIGITS DISPLAY



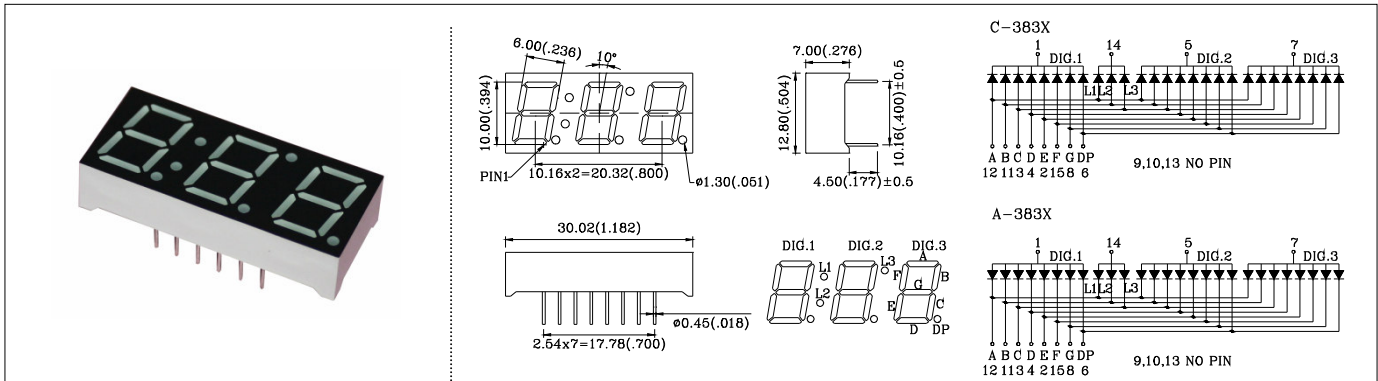
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-303E	DKC33E597G	A-303E	DKA33E592G	GaAsP	Orange	628	2.1	2.8	1.8
C-303G	DKC33G596G	A-303G	DKA33G591G	GaP	Yellow Green	570	2.2	2.8	1.6
C-303Y	DKC33Y595G	A-303Y	DKA33Y590G	GaAsP	Yellow	587	2.1	2.8	1.5
C-303SR	DKC33SR594G	A-303SR	DKA33SR589G	GaAlAs	Red	640	1.8	2.2	5.0
C-303UB	DKC33UB593G	A-303UB	DKA33UB588G	GaN	Blue	465	3.5	4.0	8.0

C/A-363X -THREE DIGITS DISPLAY



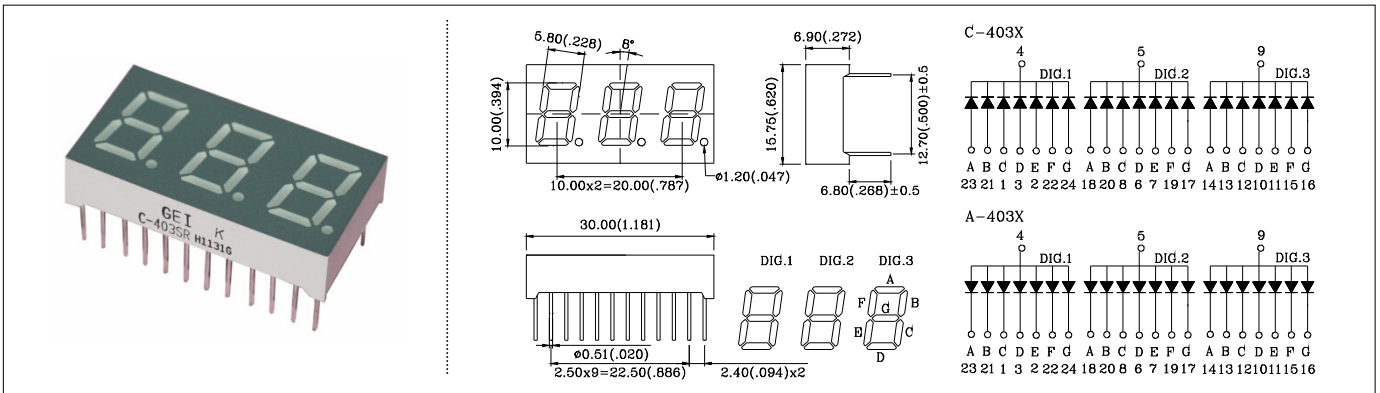
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-363E	DKC33E587G	A-363E	DKA33E582G	GaAsP	Orange	628	2.1	2.8	1.8
C-363G	DKC33G586G	A-363G	DKA33G581G	GaP	Yellow Green	570	2.2	2.8	1.6
C-363Y	DKC33Y585G	A-363Y	DKA33Y580G	GaAsP	Yellow	587	2.1	2.8	1.5
C-363SR	DKC33SR584G	A-363SR	DKA33SR579G	GaAlAs	Red	640	1.8	2.2	5.0
C-363UB	DKC33UB583G	A-363UB	DKA33UB578G	GaInN	Blue	465	3.5	4.0	7.0

C/A-383X -THREE DIGITS DISPLAY



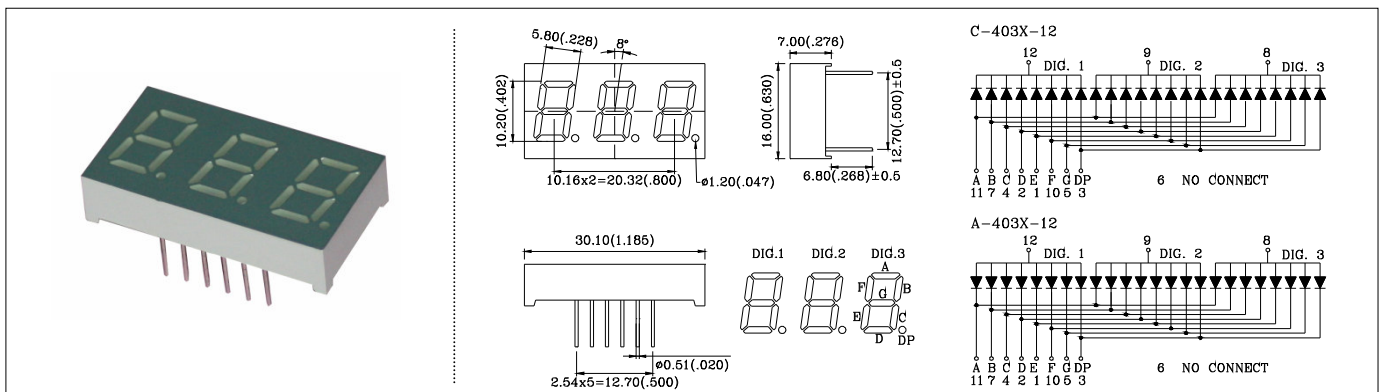
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-383E	DKC33E577G	A-383E	DKA33E573G	GaAsP	Orange	628	2.1	2.8	1.8
C-383G	DKC33G576G	A-383G	DKA33G572G	GaP	Yellow Green	570	2.2	2.8	1.6
C-383Y	DKC33Y575G	A-383Y	DKA33Y571G	GaAsP	Yellow	587	2.1	2.8	1.5
C-383SR	DKC33SR574G	A-383SR	DKA33SR570G	GaAlAs	Red	640	1.8	2.2	5.0

C/A-403X -THREE DIGITS DISPLAY



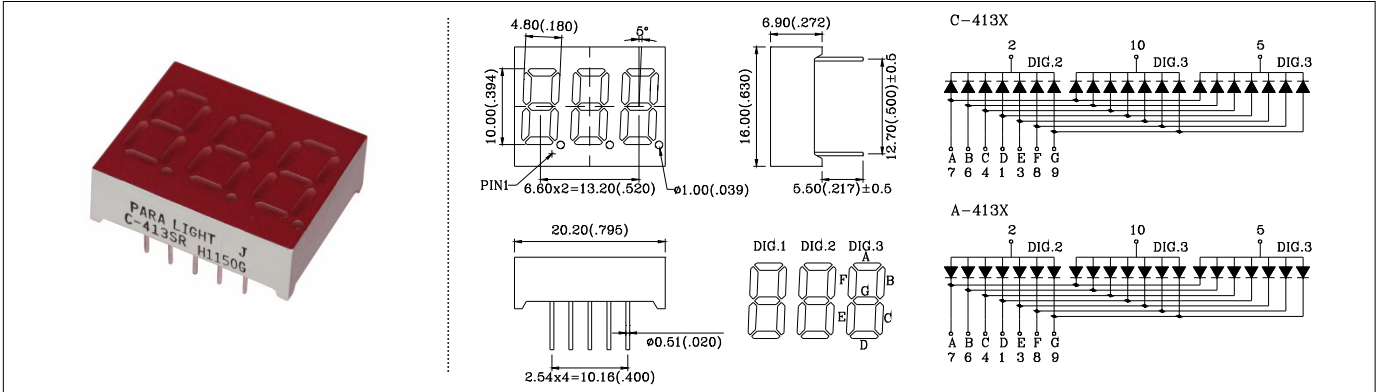
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-403E	DKC34E569G	A-403E	DKA34E564G	GaAsP	Orange	628	2.1	2.8	1.8
C-403G	DKC34G568G	A-403G	DKA34G563G	GaP	Yellow Green	570	2.2	2.8	1.6
C-403Y	DKC34Y567G	A-403Y	DKA34Y562G	GaAsP	Yellow	587	2.1	2.8	1.5
C-403SR	DKC34SR566G	A-403SR	DKA34SR561G	GaAlAs	Red	640	1.8	2.2	21.0
C-403UB	DKC34UB565G	A-403UB	DKA34UB560G	GaN	Blue	465	3.5	4.0	28.0

C/A-403X-12 -THREE DIGITS DISPLAY



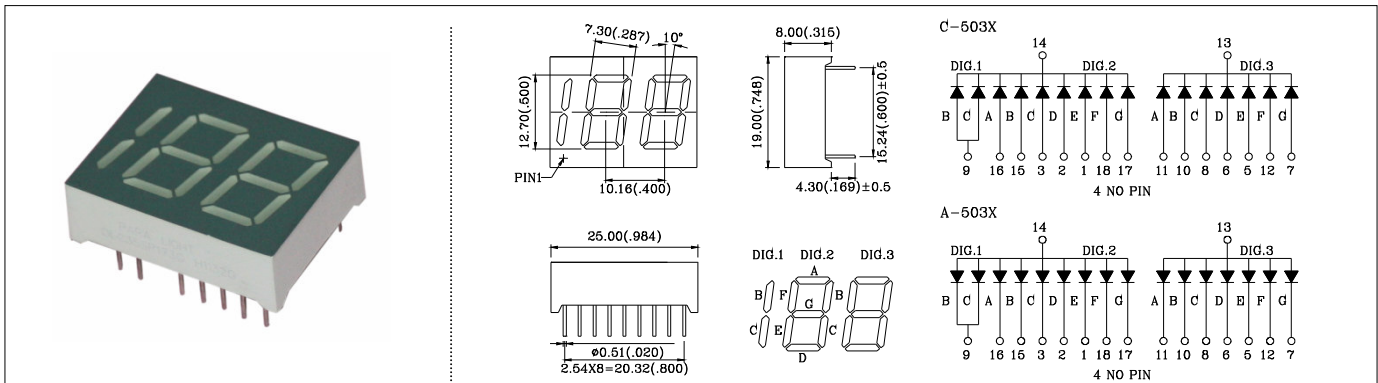
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-403E-12	DKC34E559G	A-403E-12	DKA34E554G	GaAsP	Orange	628	2.1	2.8	1.8
C-403G-12	DKC34G558G	A-403G-12	DKA34G553G	GaP	Yellow Green	570	2.2	2.8	1.6
C-403Y-12	DKC34Y557G	A-403Y-12	DKA34Y552G	GaAsP	Yellow	587	2.1	2.8	1.5
C-403SR-12	DKC34SR556G	A-403SR-12	DKA34SR551G	GaAlAs	Red	640	1.8	2.2	21.0
C-403UB-12	DKC34UB555G	A-403UB-12	DKA34UB550G	GaN	Blue	465	3.5	4.0	28.0

C/A-413X -THREE DIGITS DISPLAY



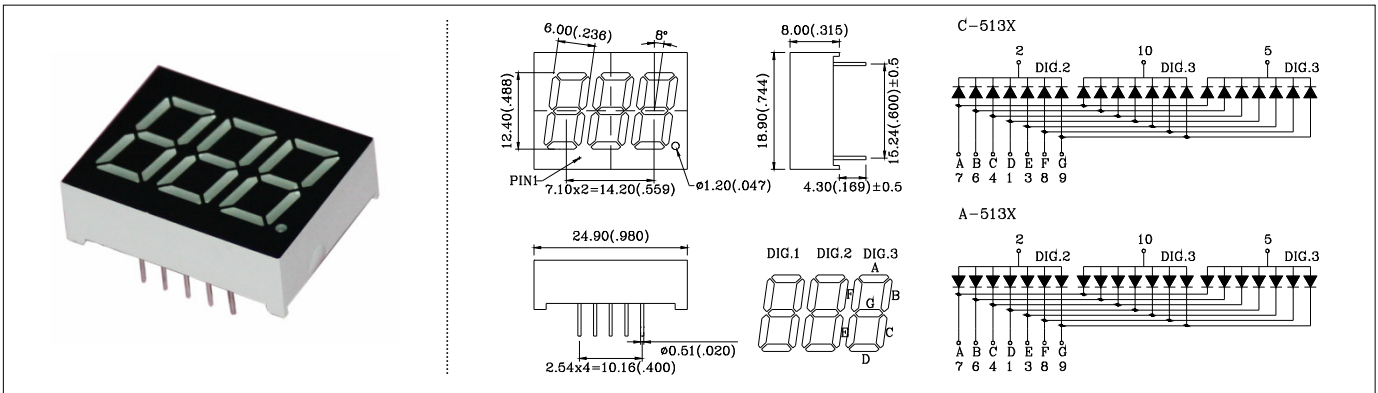
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-413E	DKC34E549G	A-413E	DKA34E545G	GaAsP	Orange	628	2.1	2.8	1.8
C-413G	DKC34G548G	A-413G	DKA34G544G	GaP	Yellow Green	570	2.2	2.8	1.6
C-413Y	DKC34Y547G	A-413Y	DKA34Y543G	GaAsP	Yellow	587	2.1	2.8	1.5
C-413SR	DKC34SR546G	A-413SR	DKA34SR542G	GaAlAs	Red	640	1.8	2.2	21.0

C/A-503X -THREE DIGITS DISPLAY



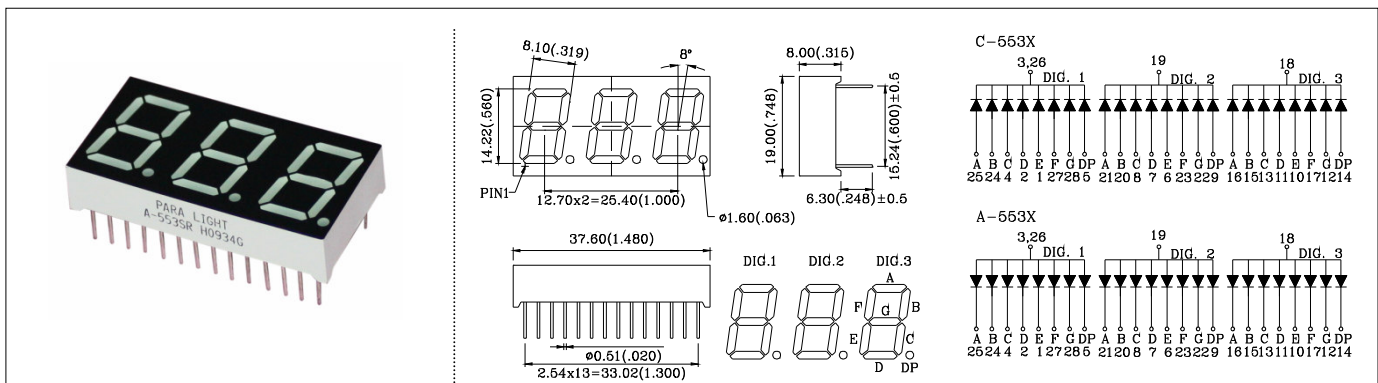
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-503E	DKC35E541G	A-503E	DKA35E537G	GaAsP	Orange	628	2.1	2.8	1.8
C-503G	DKC35G540G	A-503G	DKA35G536G	GaP	Yellow Green	570	2.2	2.8	1.6
C-503Y	DKC35Y539G	A-503Y	DKA35Y535G	GaAsP	Yellow	587	2.1	2.8	1.5
C-503SR	DKC35SR538G	A-503SR	DKA35SR534G	GaAlAs	Red	640	1.8	2.2	21.0

C/A-513X -THREE DIGITS DISPLAY



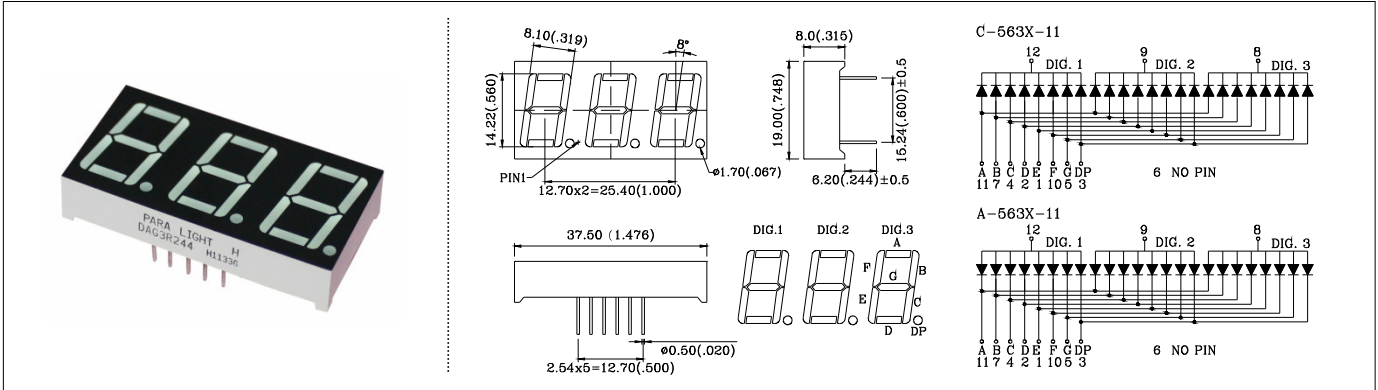
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-513E	DKC35E533G	A-513E	DKA35E529G	GaAsP	Orange	628	2.1	2.8	2.0
C-513G	DKC35G532G	A-513G	DKA35G528G	GaP	Yellow Green	570	2.2	2.8	2.0
C-513Y	DKC35Y531G	A-513Y	DKA35Y527G	GaAsP	Yellow	587	2.1	2.8	1.6
C-513SR	DKC35SR530G	A-513SR	DKA35SR526G	GaAlAs	Red	640	1.8	2.2	21.0

C/A-553X -THREE DIGITS DISPLAY



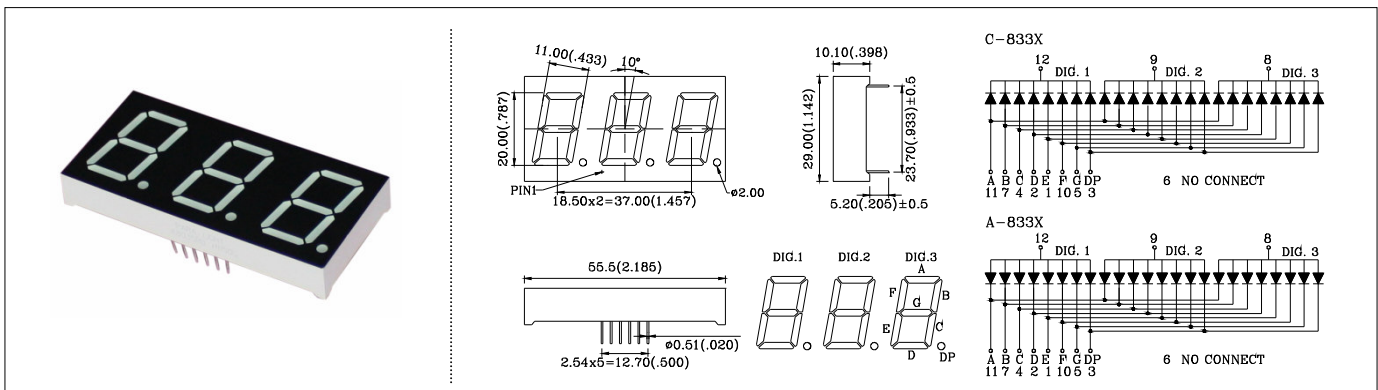
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-553E	DKC35E525G	A-553E	DKA35E521G	GaAsP	Orange	628	2.1	2.8	2.0
C-553G	DKC35G524G	A-553G	DKA35G520G	GaP	Yellow Green	570	2.2	2.8	2.0
C-553Y	DKC35Y523G	A-553Y	DKA35Y519G	GaAsP	Yellow	587	2.1	2.8	1.6
C-553SR	DKC35SR522G	A-553SR	DKA35SR518G	GaAlAs	Red	640	1.8	2.2	21.0

C/A-563X-11 -THREE DIGITS DISPLAY



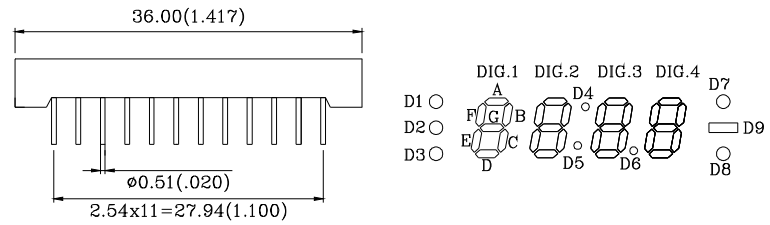
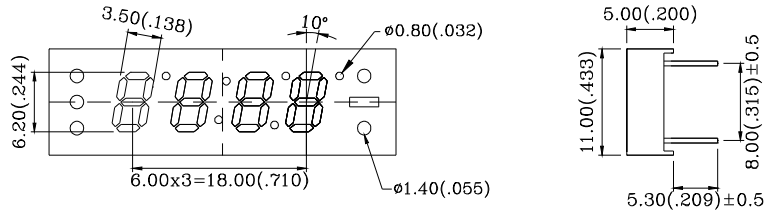
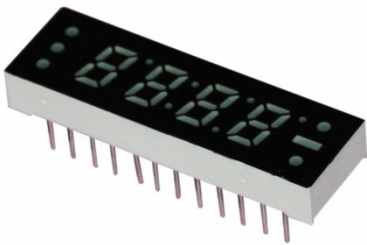
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-563E-11	DKC35E517G	A-563E-11	DKA35E512G	GaAsP	Orange	628	2.1	2.8	2.0
C-563G-11	DKC35G516G	A-563G-11	DKA35G511G	GaP	Yellow Green	570	2.2	2.8	2.0
C-563Y-11	DKC35Y515G	A-563Y-11	DKA35Y510G	GaAsP	Yellow	587	2.1	2.8	1.6
C-563SR-11	DKC35SR514G	A-563SR-11	DKA35SR509G	GaAlAs	Red	640	1.8	2.2	21.0
C-563UB-11	DKC35UB513G	A-563UB-11	DKA35UB508G	GaInN	Blue	465	3.5	4.0	28.0

C/A-833X -THREE DIGITS DISPLAY

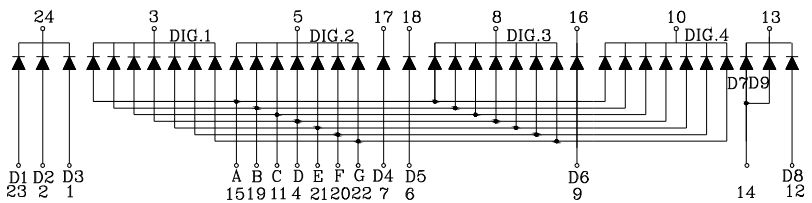


Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-833E	DKC38E507G	A-833E	DKA38E503G	GaAsP	Orange	628	2.1	2.8	3.0
C-833G	DKC38G506G	A-833G	DKA38G502G	GaP	Yellow Green	570	2.2	2.8	3.0
C-833Y	DKC38Y505G	A-833Y	DKA38Y501G	GaAsP	Yellow	587	2.1	2.8	3.0
C-833SR	DKC38SR504G	A-833SR	DKA38SR500G	GaAlAs	Red	640	1.8	2.2	21.0

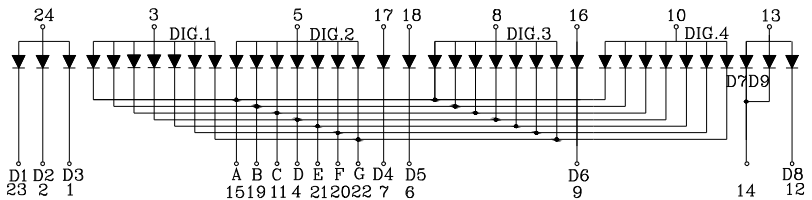
C/A-244CX - FOUR DIGITS DISPLAY



C-244CX

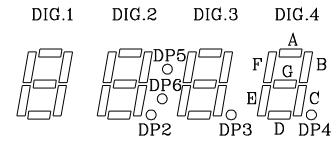
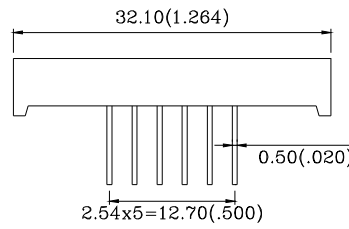
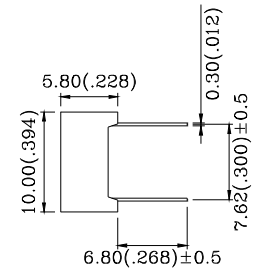
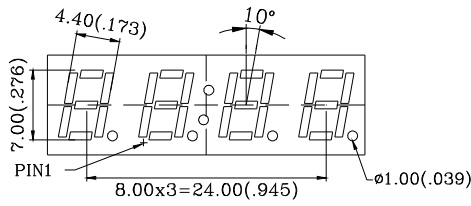
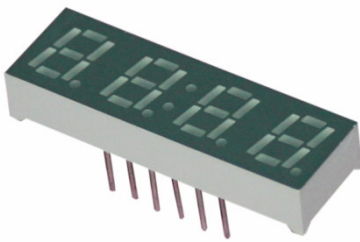


A-244CX

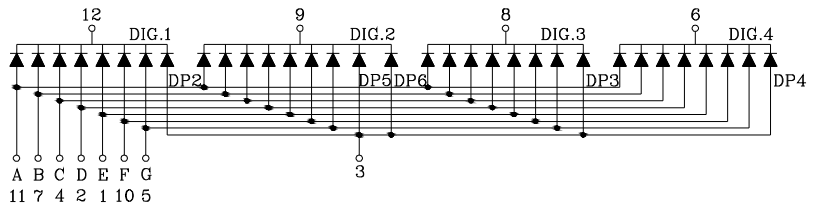


Common Cathode		Common Anode		Chip		Wave length λ_D (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-244CE	DKC42E499G	A-244CE	DKA42E495G	GaAsP	Orange	628	2.1	2.8	1.8
C-244CG	DKC42G498G	A-244CG	DKA42G494G	GaP	Yellow Green	570	2.2	2.8	1.6
C-244CY	DKC42Y497G	A-244CY	DKA42Y493G	GaAsP	Yellow	587	2.1	2.8	1.5
C-244CSR	DKC42SR496G	A-244CSR	DKA42SR492G	GaAlAs	Red	640	1.8	2.2	5.0

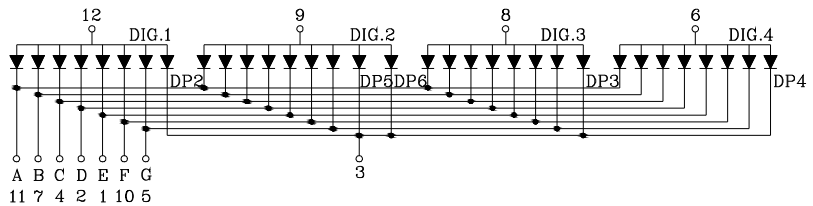
C/A-284CX-12 -FOUR DIGITS DISPLAY



C-284CX-12

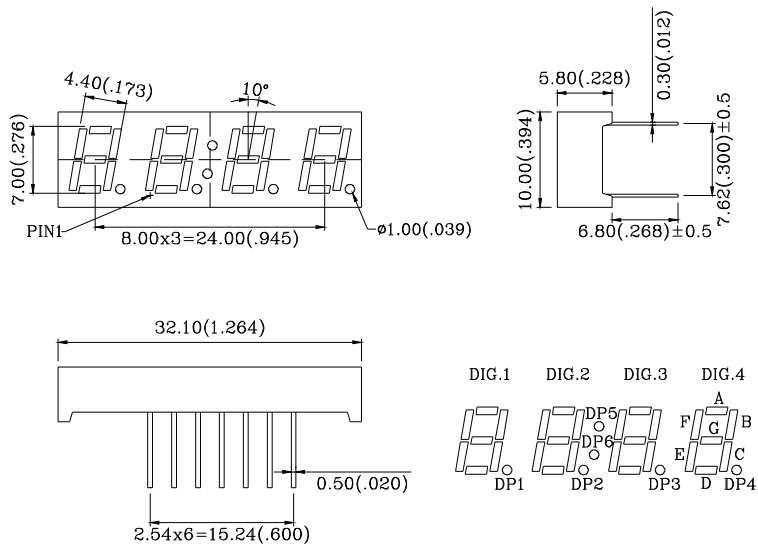
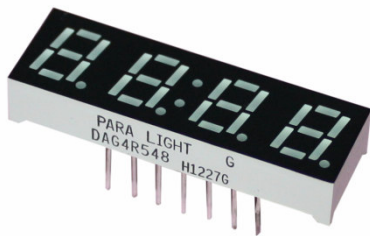


A-284CX-12

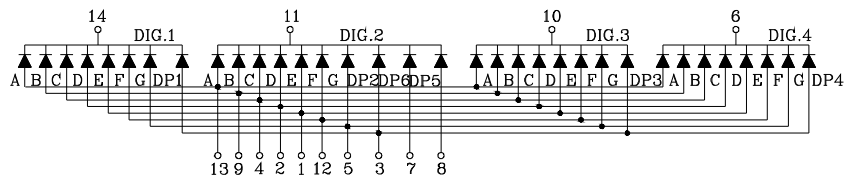


Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-284CE-12	DKC42E491G	A-284CE-12	DKA42E487G	GaAsP	Orange	628	2.1	2.8	1.8
C-284CG-12	DKC42G490G	A-284CG-12	DKA42G486G	GaP	Yellow Green	570	2.2	2.8	1.6
C-284CY-12	DKC42Y489G	A-284CY-12	DKA42Y485G	GaAsP	Yellow	587	2.1	2.8	1.5
C-284CSR-12	DKC42SR488G	A-284CSR-12	DKA42SR484G	GaAlAs	Red	640	1.8	2.2	5.0

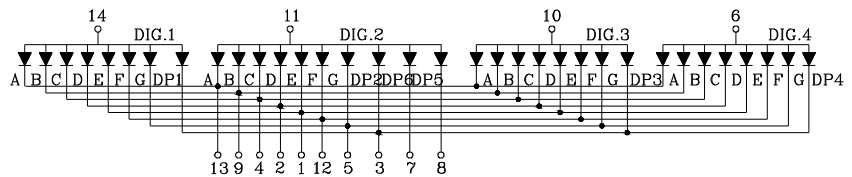
C/A-284CX-14 -FOUR DIGITS DISPLAY



C-284CX-14

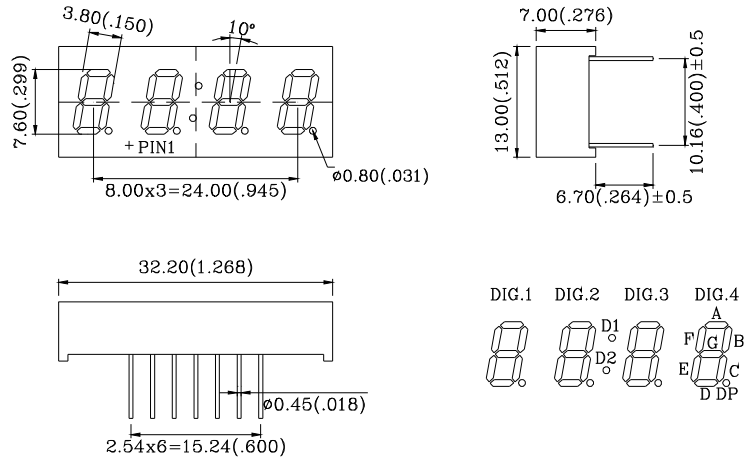
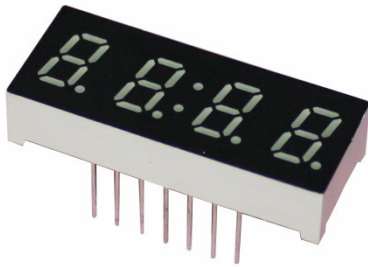


A-284CX-14

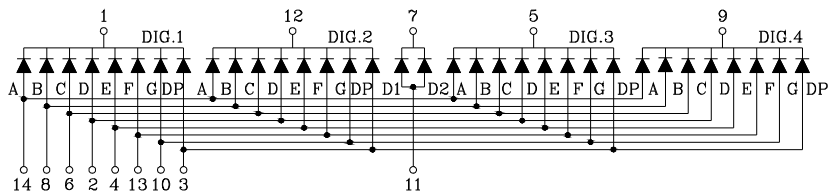


Common Cathode		Common Anode		Chip		Wave length λ_D (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-284CE-14	DKC42E483G	A-284CE-14	DKA42E479G	GaAsP	Orange	628	2.1	2.8	1.8
C-284CG-14	DKC42G482G	A-284CG-14	DKA42G478G	GaP	Yellow Green	570	2.2	2.8	1.6
C-284CY-14	DKC42Y481G	A-284CY-14	DKA42Y477G	GaAsP	Yellow	587	2.1	2.8	1.5
C-284CSR-14	DKC42SR480G	A-284CSR-14	DKA42SR476G	GaAlAs	Red	640	1.8	2.2	5.0

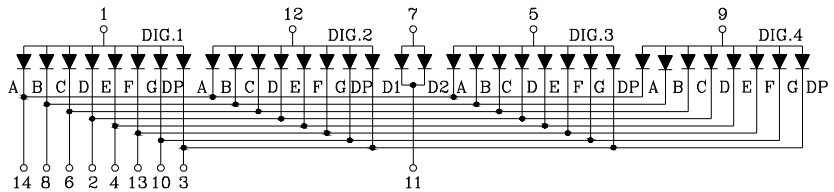
C/A-3G4X -FOUR DIGITS DISPLAY



C-3G4X

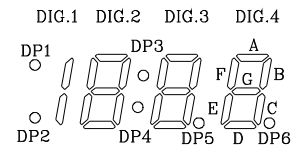
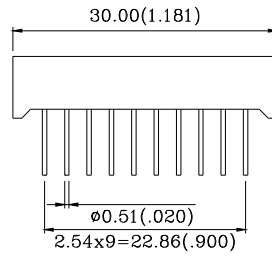
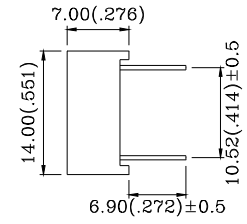
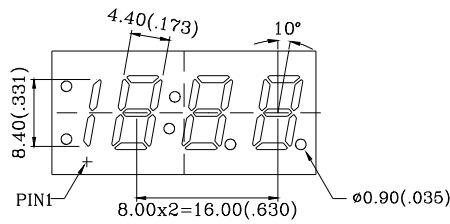
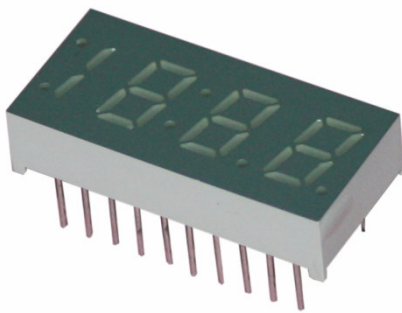


A-3G4X

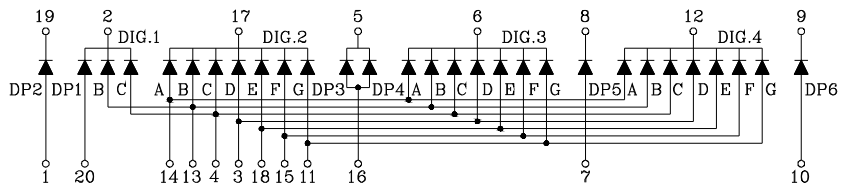


Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-3G4E	DKC43E475G	A-3G4E	DKA43E471G	GaAsP	Orange	628	2.1	2.8	1.8
C-3G4G	DKC43G474G	A-3G4G	DKA43G470G	GaP	Yellow Green	570	2.2	2.8	1.6
C-3G4Y	DKC43Y473G	A-3G4Y	DKA43Y469G	GaAsP	Yellow	587	2.1	2.8	1.5
C-3G4SR	DKC43SR472G	A-3G4SR	DKA43SR468G	GaAlAs	Red	640	1.8	2.2	5.0

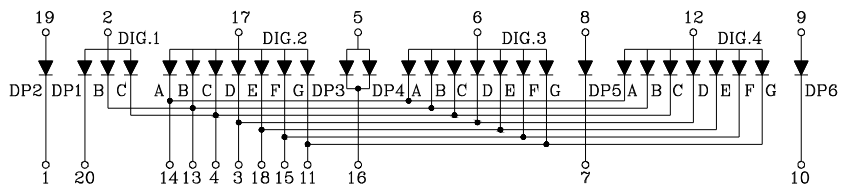
C/A-334CX-20 -FOUR DIGITS DISPLAY



C-334CX-20

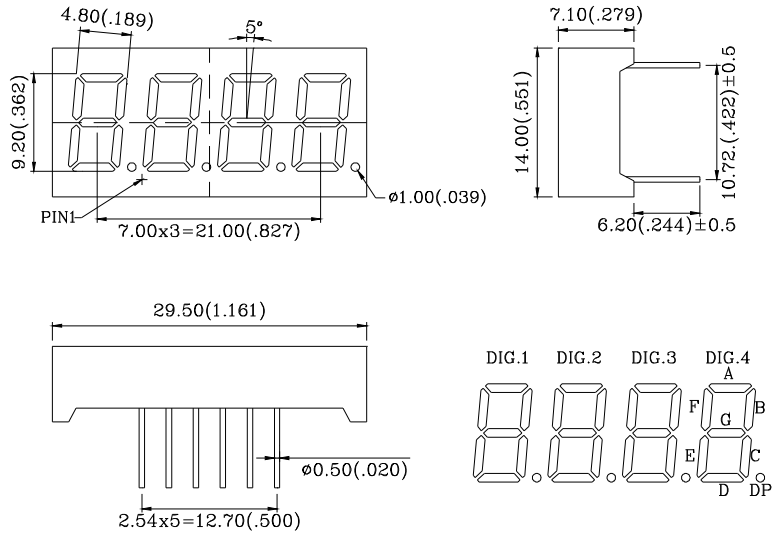
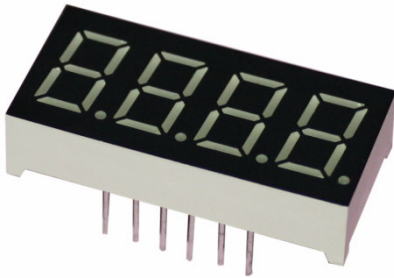


A-334CX-20

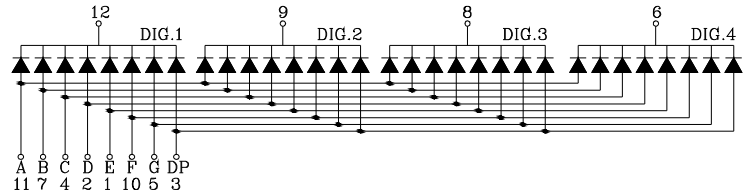


Common Cathode		Common Anode		Chip		Wave length λ_D (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-334CE-20	DKC43E467G	A-334CE-20	DKA43E463G	GaAsP	Orange	628	2.1	2.8	1.8
C-334CG-20	DKC43G466G	A-334CG-20	DKA43G462G	GaP	Yellow Green	570	2.2	2.8	1.6
C-334CY-20	DKC43Y465G	A-334CY-20	DKA43Y461G	GaAsP	Yellow	587	2.1	2.8	1.5
C-334CSR-20	DKC43SR464G	A-334CSR-20	DKA43SR460G	GaAlAs	Red	640	1.8	2.2	5.0

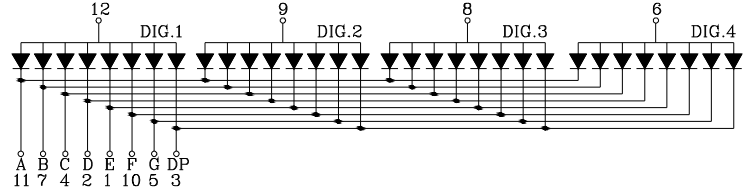
C/A-364X -FOUR DIGITS DISPLAY



C-364X

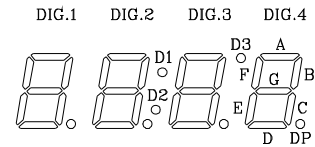
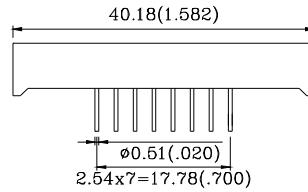
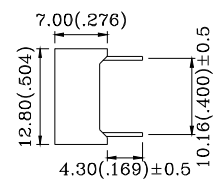
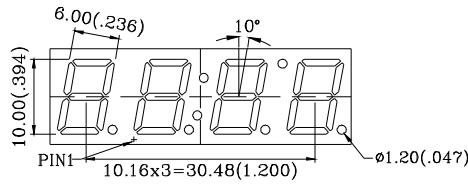
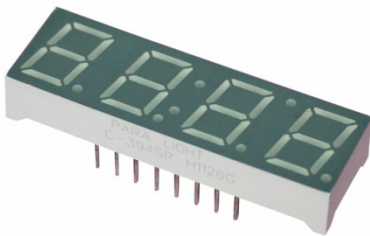


A-364X

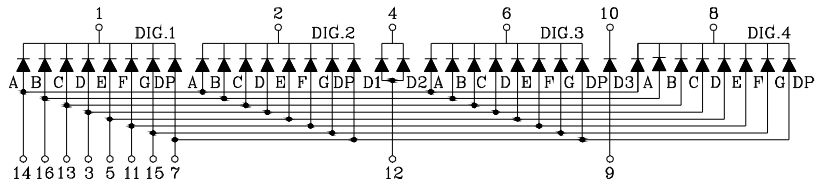


Common Cathode		Common Anode		Chip		Wave length λ_D (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-364E	DKC43E459G	A-364E	DKA43E454G	GaAsP	Orange	628	2.1	2.8	1.8
C-364G	DKC43G458G	A-364G	DKA43G453G	GaP	Yellow Green	570	2.2	2.8	1.6
C-364Y	DKC43Y457G	A-364Y	DKA43Y452G	GaAsP	Yellow	587	2.1	2.8	1.5
C-364SR	DKC43SR456G	A-364SR	DKA43SR451G	GaAlAs	Red	640	1.8	2.2	8.0
C-364UB	DKC43UB455G	A-364UB	DKA43UB450G	GaNIn	Blue	465	3.5	4.0	12.0

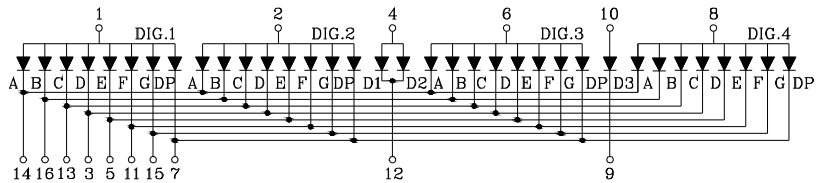
C/A-394X -FOUR DIGITS DISPLAY



C-394X

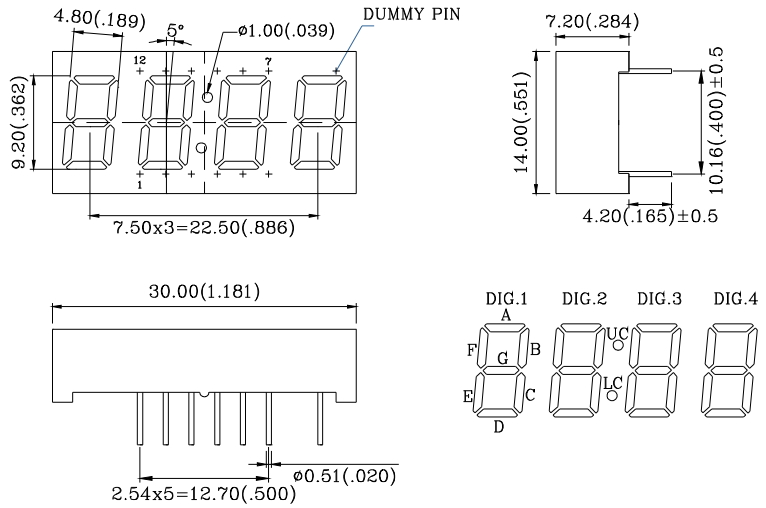
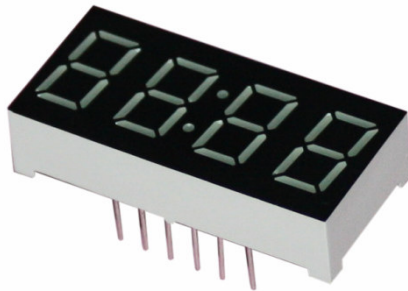


A-394X

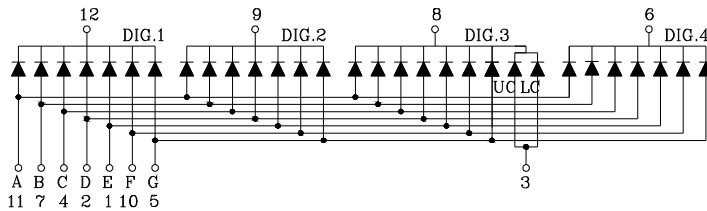


Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-394E	DKC43E449G	A-394E	DKA43E444G	GaAsP	Orange	628	2.1	2.8	1.8
C-394G	DKC43G448G	A-394G	DKA43G443G	GaP	Yellow Green	570	2.2	2.8	1.6
C-394Y	DKC43Y447G	A-394Y	DKA43Y442G	GaAsP	Yellow	587	2.1	2.8	1.5
C-394SR	DKC43SR446G	A-394SR	DKA43SR441G	GaAlAs	Red	640	1.8	2.2	8.0
C-394UB	DKC43UB445G	A-394UB	DKA43UB440G	GaInN	Blue	465	3.5	4.0	15.0

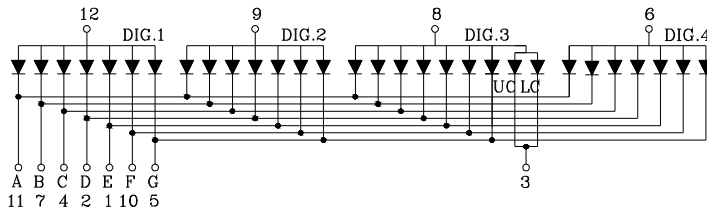
C/A-3P4X -FOUR DIGITS DISPLAY



C-3P4X

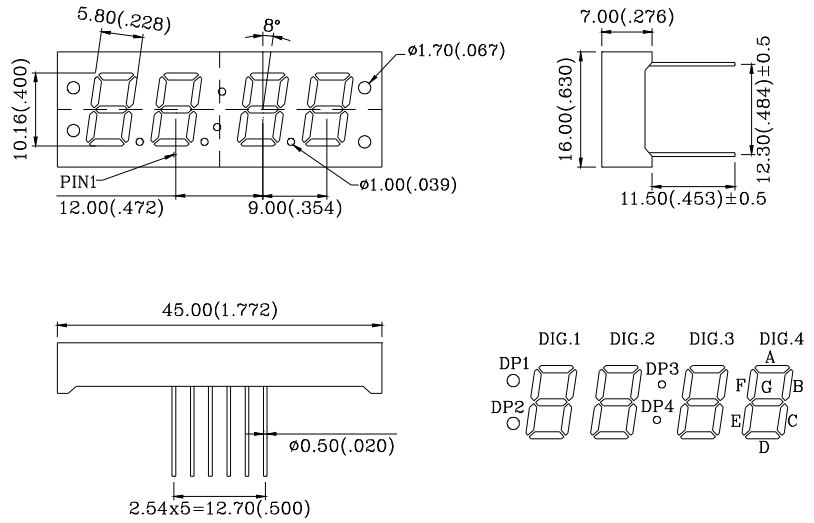
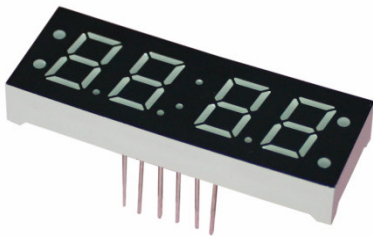


A-3P4X

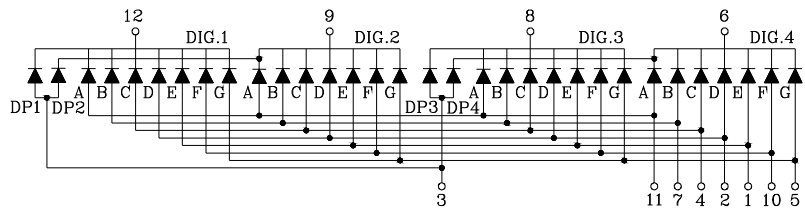


Common Cathode		Common Anode		Chip		Wave length λ_D (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-3P4E	DKC43E439G	A-3P4E	DKA43E434G	GaAsP	Orange	628	2.1	2.8	2.0
C-3P4G	DKC43G438G	A-3P4G	DKA43G433G	GaP	Yellow Green	570	2.2	2.8	1.8
C-3P4Y	DKC43Y437G	A-3P4Y	DKA43Y432G	GaAsP	Yellow	587	2.1	2.8	1.7
C-3P4SR	DKC43SR436G	A-3P4SR	DKA43SR431G	GaAlAs	Red	640	1.8	2.2	8.0
C-3P4UB	DKC43UB435G	A-3P4UB	DKA43UB430G	GaInN	Blue	465	3.5	4.0	15.0

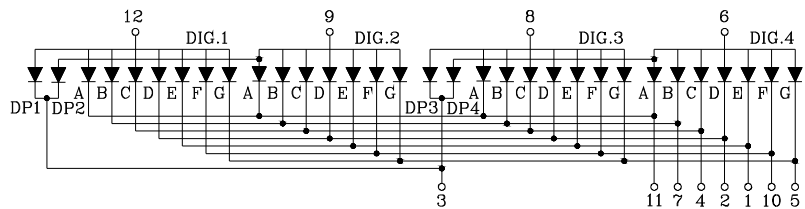
C/A-404CX -FOUR DIGITS DISPLAY



C-404CX

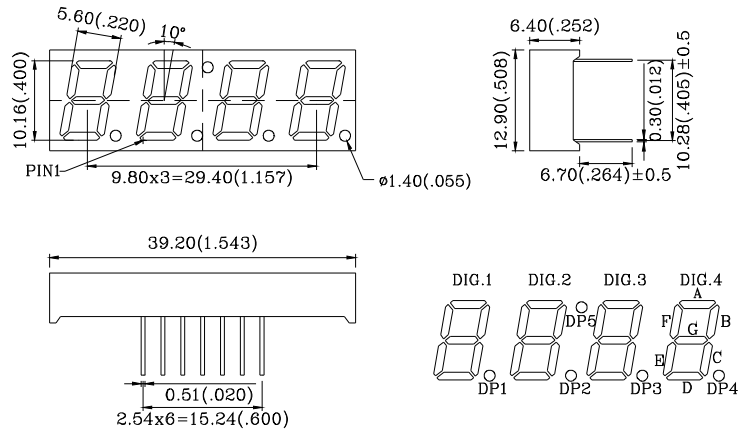
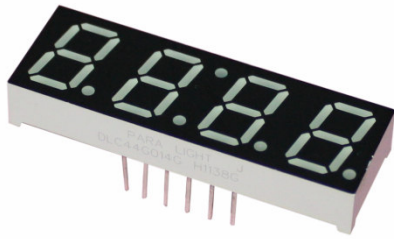


A-404CX

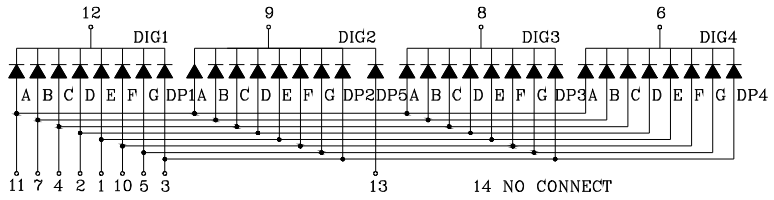


Common Cathode		Common Anode		Chip		Wave length λ_D (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-404CE	DKC44E429G	A-404CE	DKA44E424G	GaAsP	Orange	628	2.1	2.8	2.0
C-404CG	DKC44G428G	A-404CG	DKA44G423G	GaP	Yellow Green	570	2.2	2.8	1.8
C-404CY	DKC44Y427G	A-404CY	DKA44Y422G	GaAsP	Yellow	587	2.1	2.8	1.7
C-404CSR	DKC44SR426G	A-404CSR	DKA44SR421G	GaAlAs	Red	640	1.8	2.2	8.0
C-404CUB	DKC44UB425G	A-404CUB	DKA44UB420G	GaN	Blue	465	3.5	4.0	15.0

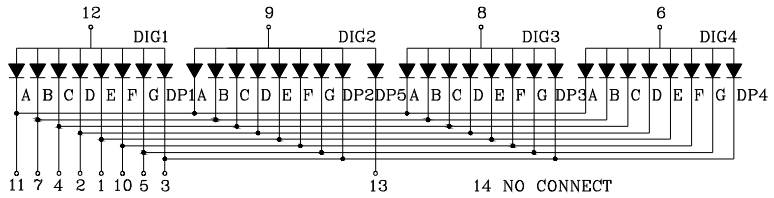
C/A-4A4X -FOUR DIGITS DISPLAY



C-4A4X

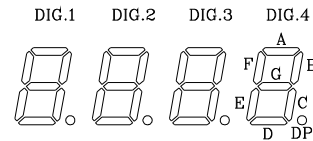
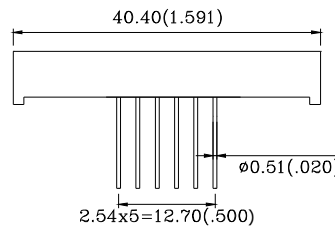
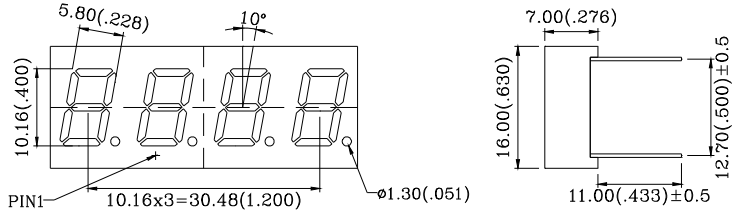
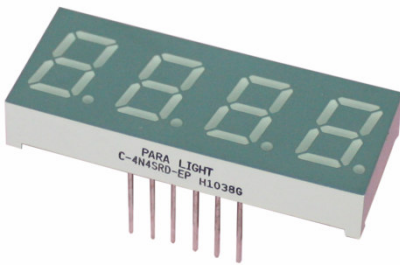


A-4A4X

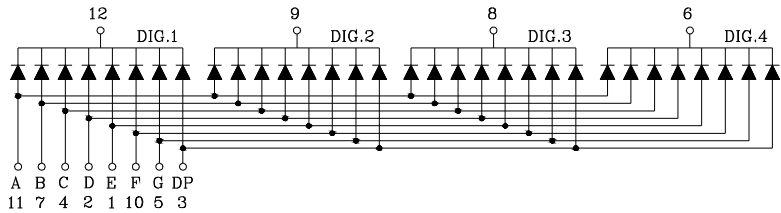


Common Cathode		Common Anode		Chip		Wave length λ_D (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-4A4E	DKC44E419G	A-4A4E	DKA44E414G	GaAsP	Orange	628	2.1	2.8	2.0
C-4A4G	DKC44G418G	A-4A4G	DKA44G413G	GaP	Yellow Green	570	2.2	2.8	1.8
C-4A4Y	DKC44Y417G	A-4A4Y	DKA44Y412G	GaAsP	Yellow	587	2.1	2.8	1.7
C-4A4SR	DKC44SR416G	A-4A4SR	DKA44SR411G	GaAlAs	Red	640	1.8	2.2	8.0
C-4A4UB	DKC44UB415G	A-4A4UB	DKA44UB410G	GaN	Blue	465	3.5	4.0	15.0

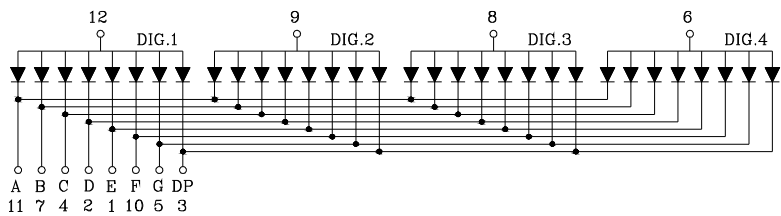
C/A-4N4X - FOUR DIGITS DISPLAY



C-4N4X

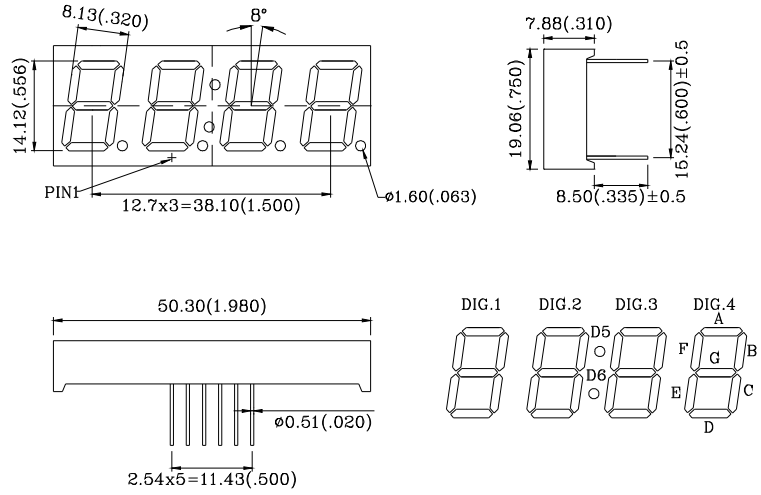
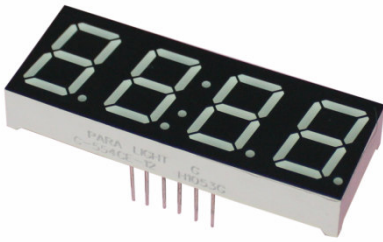


A-4N4X

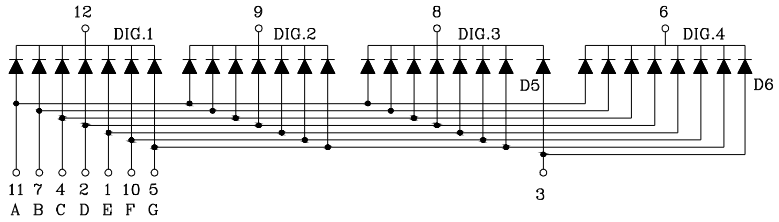


Common Cathode		Common Anode		Chip		Wave length λ _D (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-4N4E	DKC44E409G	A-4N4E	DKA44E404G	GaAsP	Orange	628	2.1	2.8	2.0
C-4N4G	DKC44G408G	A-4N4G	DKA44G403G	GaP	Yellow Green	570	2.2	2.8	1.8
C-4N4Y	DKC44Y407G	A-4N4Y	DKA44Y402G	GaAsP	Yellow	587	2.1	2.8	1.7
C-4N4SR	DKC44SR406G	A-4N4SR	DKA44SR401G	GaAlAs	Red	640	1.8	2.2	8.0
C-4N4UB	DKC44UB405G	A-4N4UB	DKA44UB400G	GaInN	Blue	465	3.5	4.0	15.0

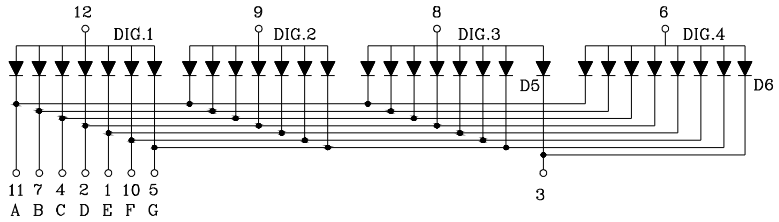
C/A-554CX-12 -FOUR DIGITS DISPLAY



C-554CX-12

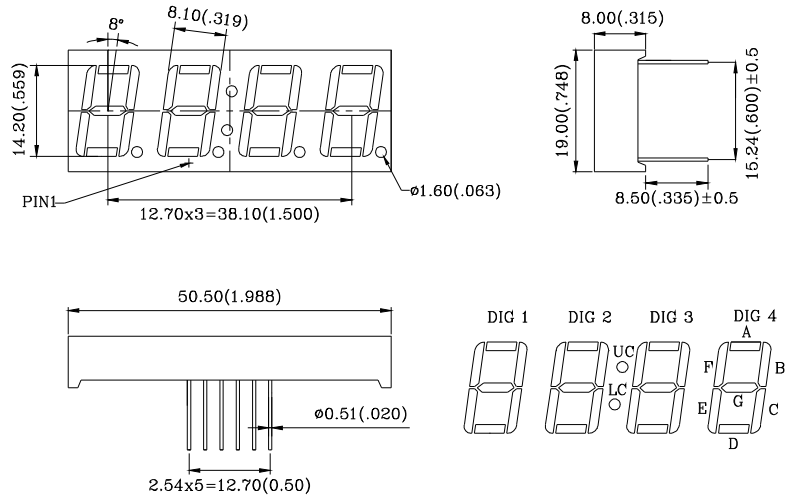
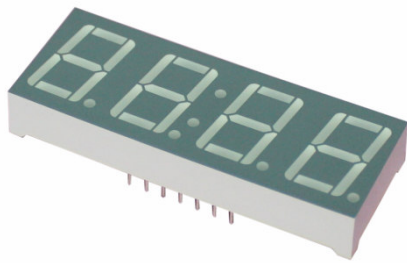


A-554CX-12

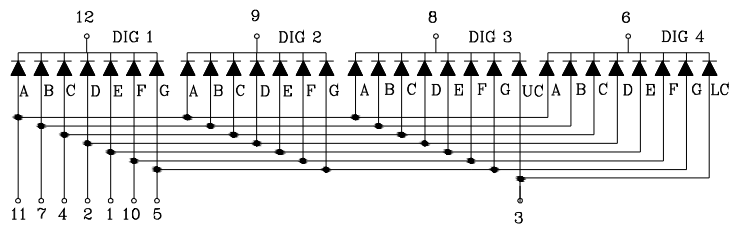


Common Cathode		Common Anode		Chip		Wave length λ_D (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-554CE-12	DKC45E399G	A-554CE-12	DKA45E395G	GaAsP	Orange	628	2.1	2.8	2.0
C-554CG-12	DKC45G398G	A-554CG-12	DKA45G394G	GaP	Yellow Green	570	2.2	2.8	2.0
C-554CY-12	DKC45Y397G	A-554CY-12	DKA45Y393G	GaAsP	Yellow	587	2.1	2.8	1.6
C-554CSR-12	DKC45SR396G	A-554CSR-12	DKA45SR392G	GaAlAs	Red	640	1.8	2.2	21.0

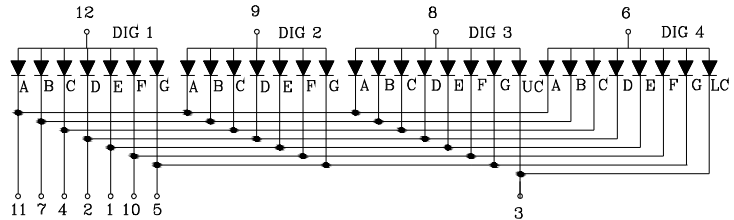
C/A-5P4X -FOUR DIGITS DISPLAY



C-5P4X

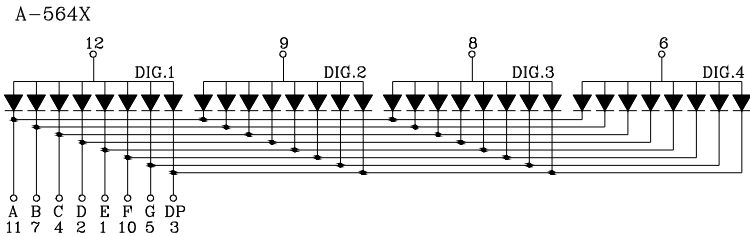
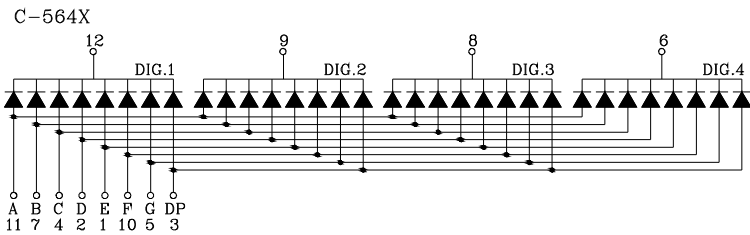
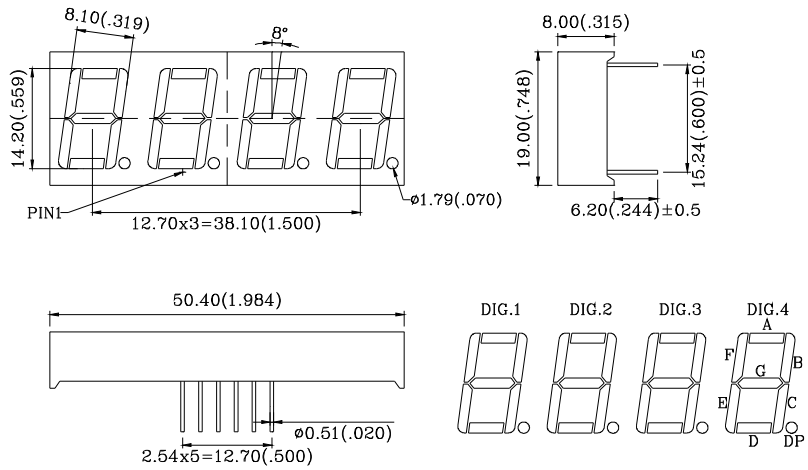
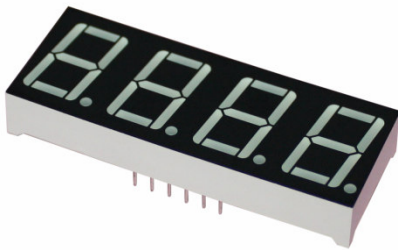


A-5P4X



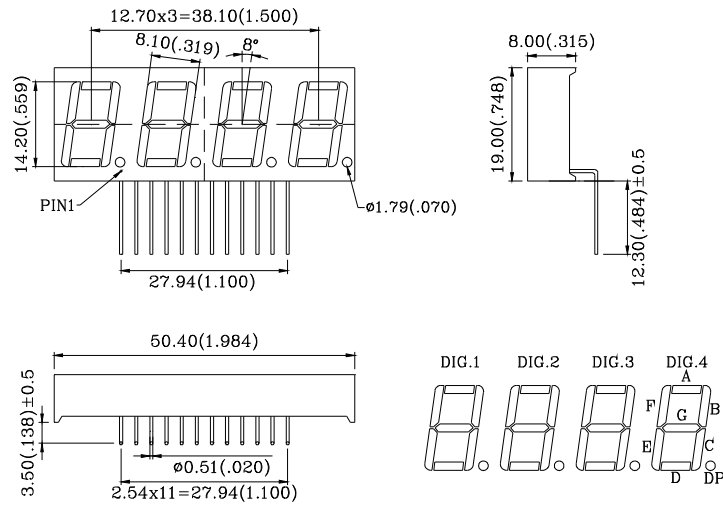
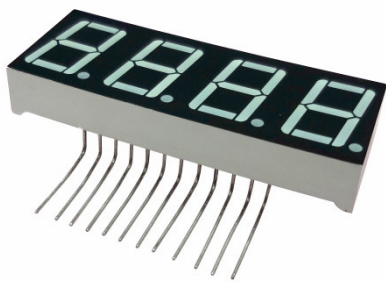
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-5P4E	DKC45E391G	A-5P4E	DKA45E387G	GaAsP	Orange	628	2.1	2.8	2.0
C-5P4G	DKC45G390G	A-5P4G	DKA45G386G	GaP	Yellow Green	570	2.2	2.8	2.0
C-5P4Y	DKC45Y389G	A-5P4Y	DKA45Y385G	GaAsP	Yellow	587	2.1	2.8	1.6
C-5P4SR	DKC45SR388G	A-5P4SR	DKA45SR384G	GaAlAs	Red	640	1.8	2.2	21.0

C/A-564X -FOUR DIGITS DISPLAY

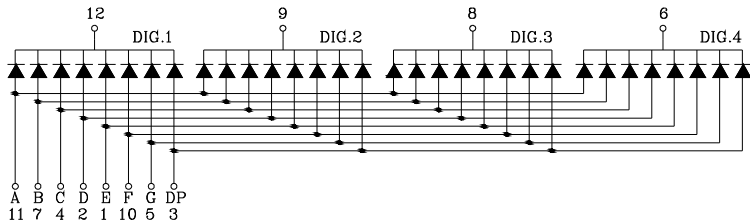


Common Cathode		Common Anode		Chip		Wave length λ_D (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-564E	DKC45E383G	A-564E	DKA45E378G	GaAsP	Orange	628	2.1	2.8	2.0
C-564G	DKC45G382G	A-564G	DKA45G377G	GaP	Yellow Green	570	2.2	2.8	2.0
C-564Y	DKC45Y381G	A-564Y	DKA45Y376G	GaAsP	Yellow	587	2.1	2.8	1.6
C-564SR	DKC45SR380G	A-564SR	DKA45SR375G	GaAlAs	Red	640	1.8	2.2	21.0
C-564UB	DKC45UB379G	A-564UB	DKA45UB374G	GaNIn	Blue	465	3.5	4.0	28.0

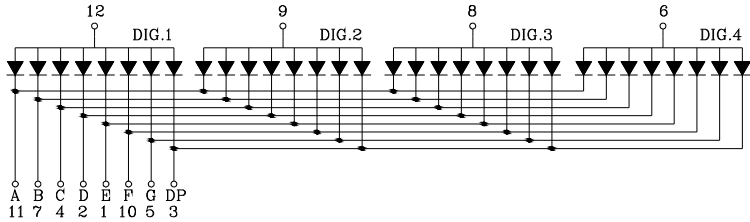
C/A-574X-LF -FOUR DIGITS DISPLAY



C-574X-LF

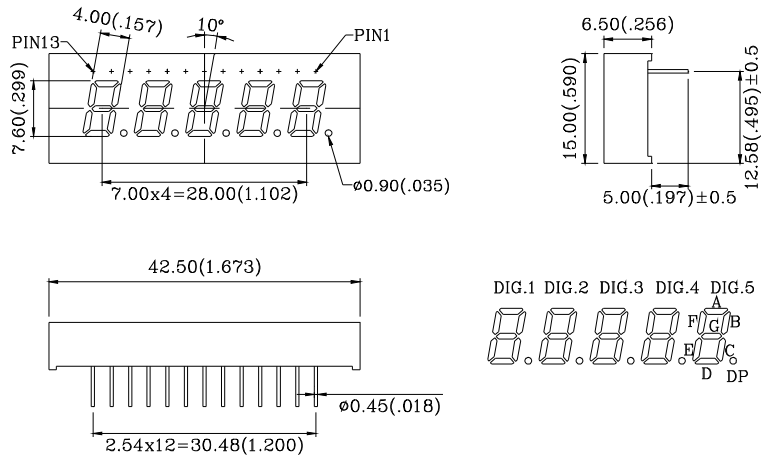


A-574X-LF

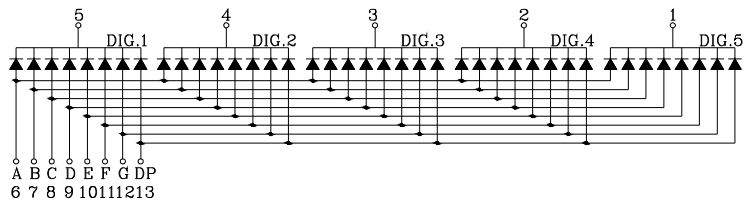


Common Cathode		Common Anode		Chip		Wave length λ_D (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-574E-LF	DKC45E373G	A-574E-LF	DKA45E369G	GaAsP	Orange	628	2.1	2.8	2.0
C-574G-LF	DKC45G372G	A-574G-LF	DKA45G368G	GaP	Yellow Green	570	2.2	2.8	2.0
C-574Y-LF	DKC45Y371G	A-574Y-LF	DKA45Y367G	GaAsP	Yellow	587	2.1	2.8	1.6
C-574SR-LF	DKC45SR370G	A-574SR-LF	DKA45SR366G	GaAlAs	Red	640	1.8	2.2	21.0

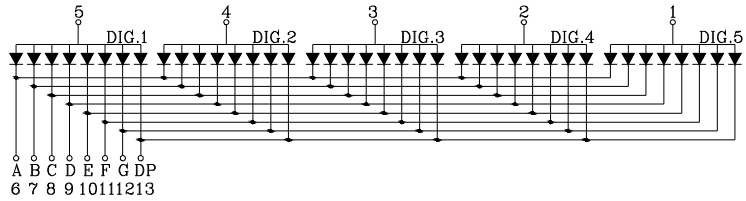
C/A-305X -FIVE DIGITS DISPLAY



C-305X

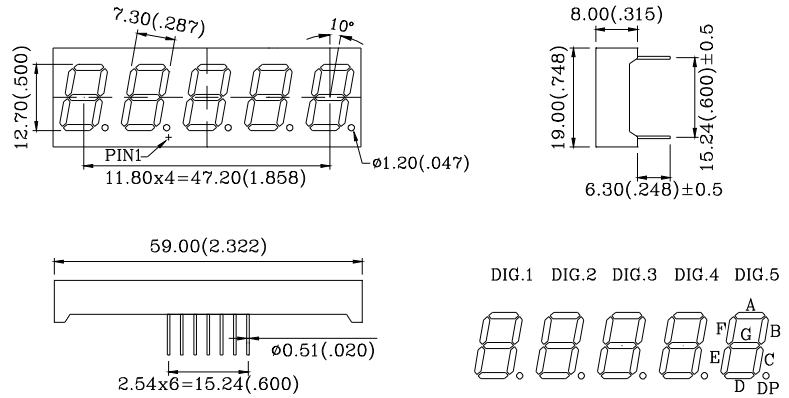
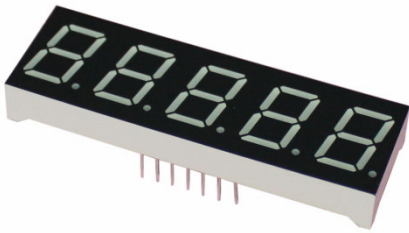


A-305X

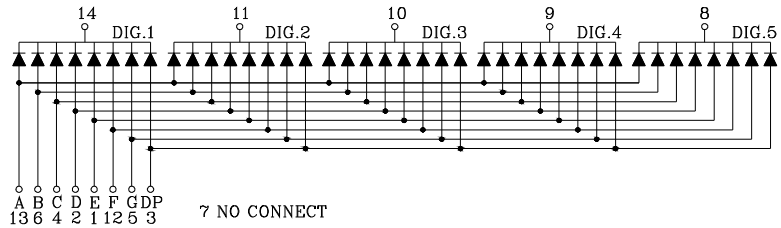


Common Cathode		Common Anode		Chip		Wave length λ_D (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-305E	DKC53E365G	A-305E	DKA53E361G	GaAsP	Orange	628	2.1	2.8	1.8
C-305G	DKC53G364G	A-305G	DKA53G360G	GaP	Yellow Green	570	2.2	2.8	1.6
C-305Y	DKC53Y363G	A-305Y	DKA53Y359G	GaAsP	Yellow	587	2.1	2.8	1.5
C-305SR	DKC53SR362G	A-305SR	DKA53SR358G	GaAlAs	Red	640	1.8	2.2	5.0

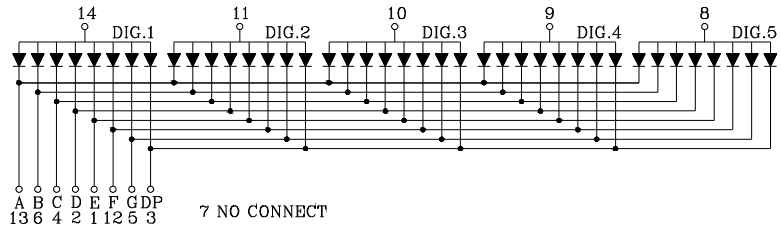
C/A-505X -FIVE DIGITS DISPLAY



C-505X

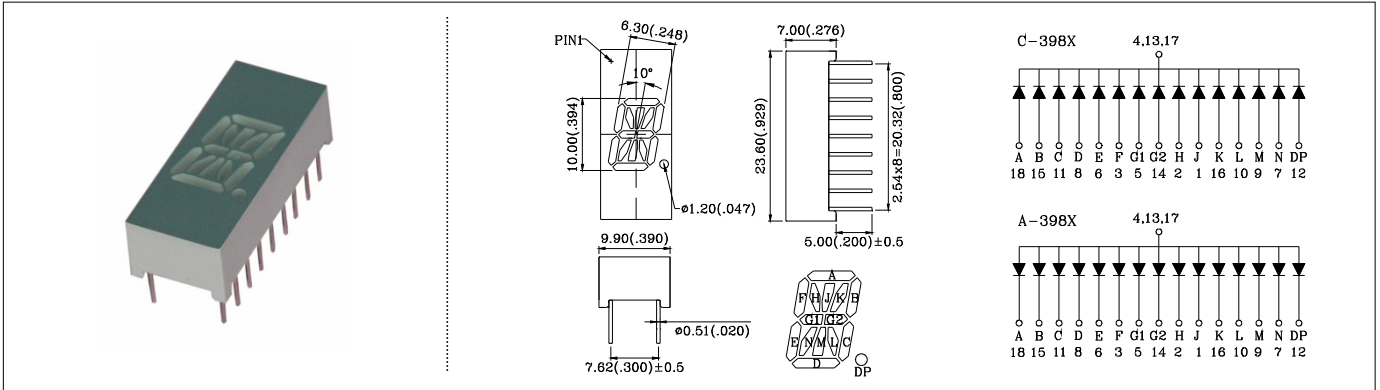


A-505X



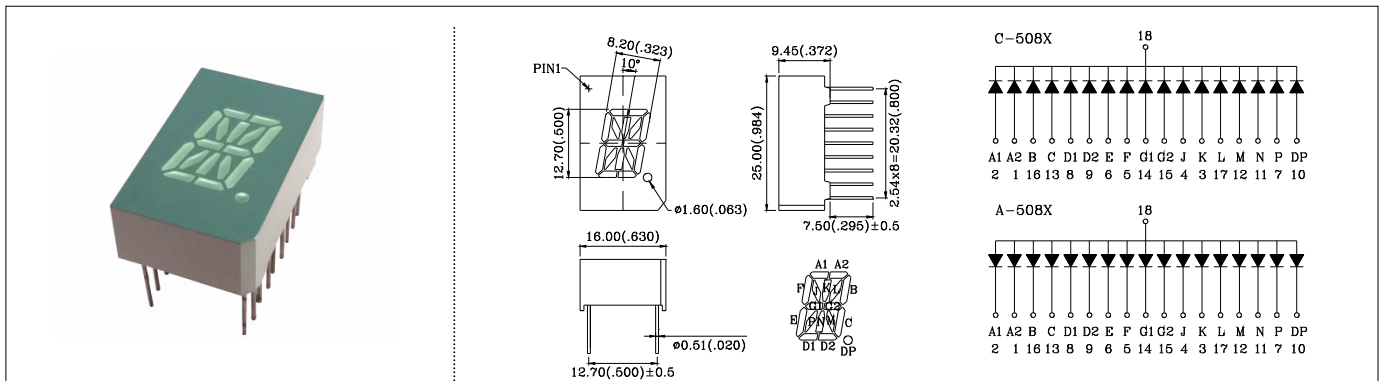
Common Cathode		Common Anode		Chip		Wave length λ_D (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-505E	DKC55E357G	A-505E	DKA55E353G	GaAsP	Orange	628	2.1	2.8	2.0
C-505G	DKC55G356G	A-505G	DKA55G352G	GaP	Yellow Green	570	2.2	2.8	2.0
C-505Y	DKC55Y355G	A-505Y	DKA55Y351G	GaAsP	Yellow	587	2.1	2.8	1.8
C-505SR	DKC55SR354G	A-505SR	DKA55SR350G	GaAlAs	Red	640	1.8	2.2	21.0

C/A-398X -ALPHA-NUMERIC DISPLAY



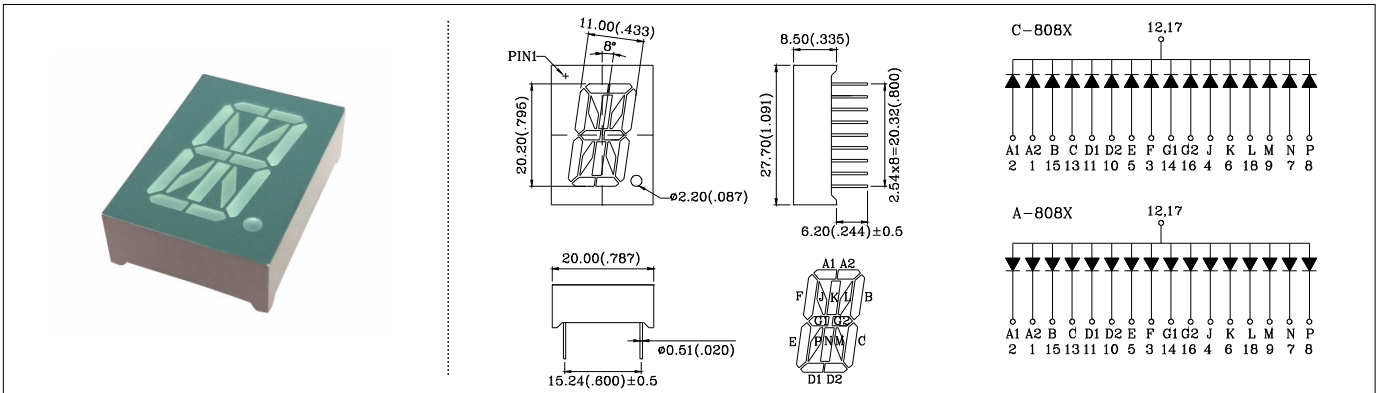
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-398E	DKC13E341G	A-398E	DKA13E336G	GaAsP	Orange	628	2.1	2.8	1.8
C-398G	DKC13G340G	A-398G	DKA13G335G	GaP	Yellow Green	570	2.2	2.8	1.6
C-398Y	DKC13Y339G	A-398Y	DKA13Y334G	GaAsP	Yellow	587	2.1	2.8	1.5
C-398SR	DKC13SR338G	A-398SR	DKA13SR333G	GaAlAs	Red	640	1.8	2.2	10.0
C-398UB	DKC13UB337G	A-398UB	DKA13UB332G	GaInN	Blue	465	3.5	4.0	15.0

C/A-508X -ALPHA-NUMERIC DISPLAY



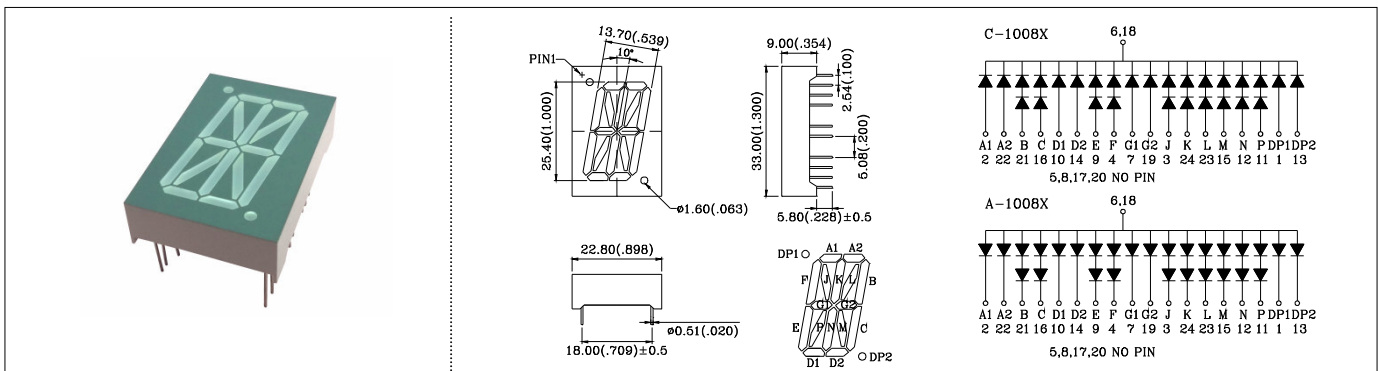
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-508E	DKC15E331G	A-508E	DKA15E327G	GaAsP	Orange	628	2.1	2.8	2.0
C-508G	DKC15G330G	A-508G	DKA15G326G	GaP	Yellow Green	570	2.2	2.8	2.0
C-508Y	DKC15Y329G	A-508Y	DKA15Y325G	GaAsP	Yellow	587	2.1	2.8	1.6
C-508SR	DKC15SR328G	A-508SR	DKA15SR324G	GaAlAs	Red	640	1.8	2.2	10.0

C/A-808X -ALPHA-NUMERIC DISPLAY



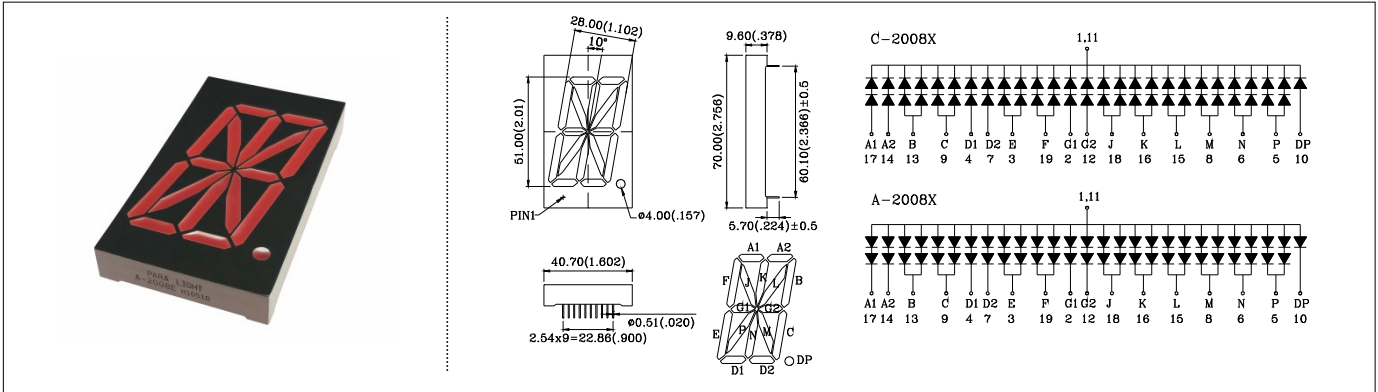
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-808E	DKC18E323G	A-808E	DKA18E318G	GaAsP	Orange	628	2.1	2.8	2.0
C-808G	DKC18G322G	A-808G	DKA18G317G	GaP	Yellow Green	570	2.2	2.8	2.0
C-808Y	DKC18Y321G	A-808Y	DKA18Y316G	GaAsP	Yellow	587	2.1	2.8	1.6
C-808SR	DKC18SR320G	A-808SR	DKA18SR315G	GaAlAs	Red	640	1.8	2.2	10.0
C-808UB	DKC18UB319G	A-808UB	DKA18UB314G	GaInN	Blue	465	3.5	4.0	15.0

C/A-1008X -ALPHA-NUMERIC DISPLAY



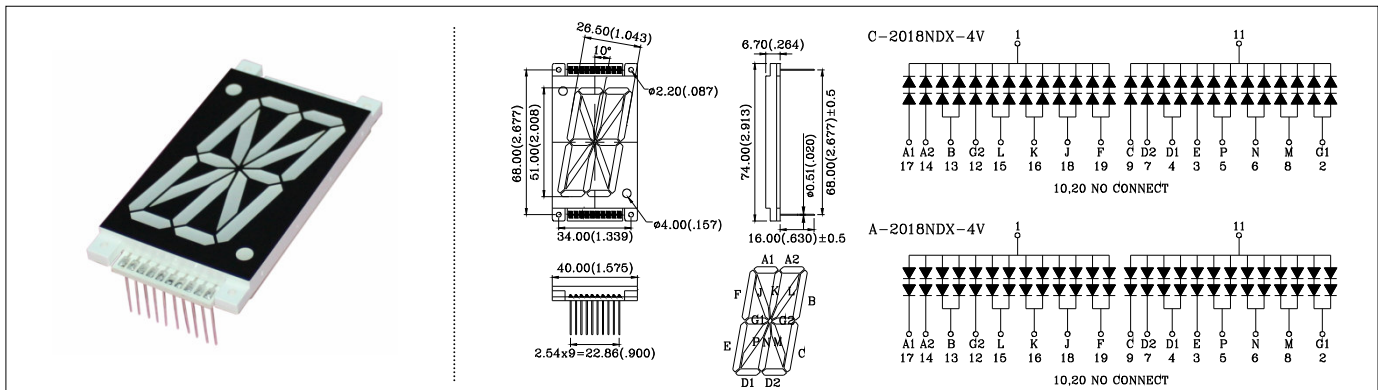
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-1008E	DKC1AE313G	A-1008E	DKA1AE308G	GaAsP	Orange	628	2.1(4.2)	2.8(5.6)	4.0
C-1008G	DKC1AG312G	A-1008G	DKA1AG307G	GaP	Yellow Green	570	2.2(4.4)	2.8(5.6)	4.0
C-1008Y	DKC1AY311G	A-1008Y	DKA1AY306G	GaAsP	Yellow	587	2.1(4.2)	2.8(5.6)	3.2
C-1008SR	DKC1ASR310G	A-1008SR	DKA1ASR305G	GaAlAs	Red	640	1.8(3.6)	2.2(4.4)	20.0
C-1008NDUW	DKC1AUW309G	A-1008UW	DKA1AUW304G	GaInN	White	X:0.29 Y:0.30	3.5(7.0)	4.0(8.0)	70.0

C/A-2008X -ALPHA-NUMERIC DISPLAY



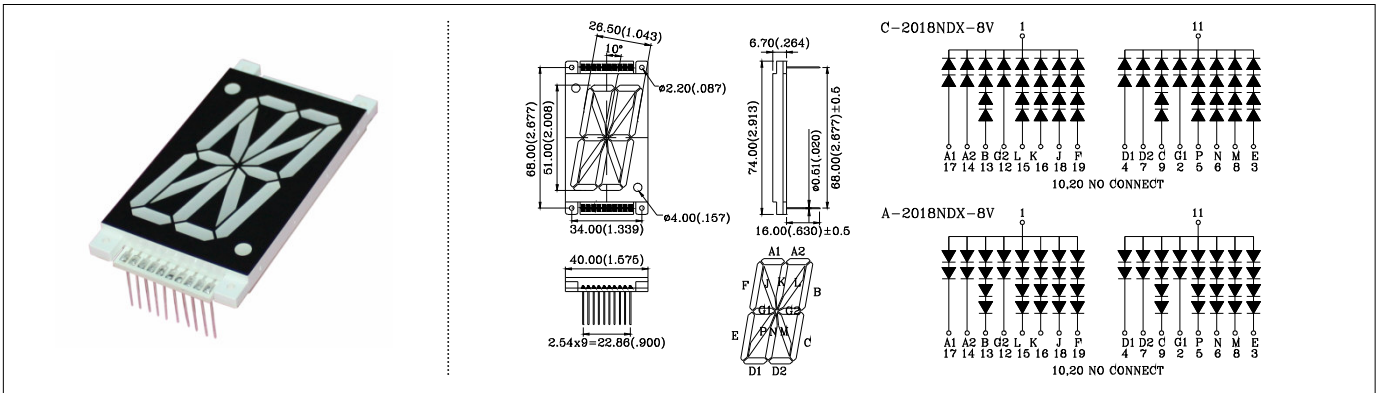
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-2008E	DKC1AE303G	A-2008E	DKA1AE299G	GaAsP	Orange	628	4.2(2.1)	5.6(2.8)	6.0
C-2008G	DKC1AG302G	A-2008G	DKA1AG298G	GaP	Yellow Green	570	4.4(2.2)	5.6(2.8)	5.4
C-2008Y	DKC1AY301G	A-2008Y	DKA1AY297G	GaAsP	Yellow	587	4.2(2.1)	5.6(2.8)	5.4
C-2008SR	DKC1ASR300G	A-2008SR	DKA1ASR296G	GaAlAs	Red	640	3.6(1.8)	4.4(2.2)	20.0

C/A-2018NDX-4V -ALPHA-NUMERIC DISPLAY



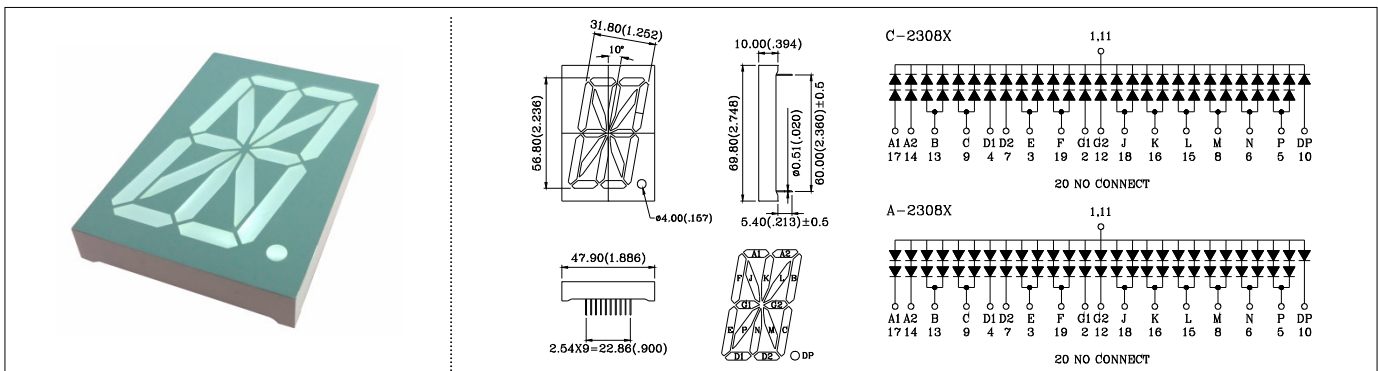
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-2018NDE-4V	DKC1AE295G	A-2018NDE-4V	DKA1AE290G	GaAsP	Orange	628	4.2	5.6	6.0
C-2018NDG-4V	DKC1AG294G	A-2018NDG-4V	DKA1AG289G	GaP	Yellow Green	570	4.4	5.6	5.4
C-2018NDY-4V	DKC1AY293G	A-2018NDY-4V	DKA1AY288G	GaAsP	Yellow	587	4.2	5.6	5.4
C-2018NDSR-4V	DKC1ASR292G	A-2018NDSR-4V	DKA1ASR287G	GaAlAs	Red	640	3.6	4.4	20.0
C-2018NDUW-4V	DKC1AUW291G	A-2018NDUW-4V	DKA1AUW286G	GaN	White	X:0.29 Y:0.30	7.0	8.0	120.0

C/A-2018NDX-8V -ALPHA-NUMERIC DISPLAY



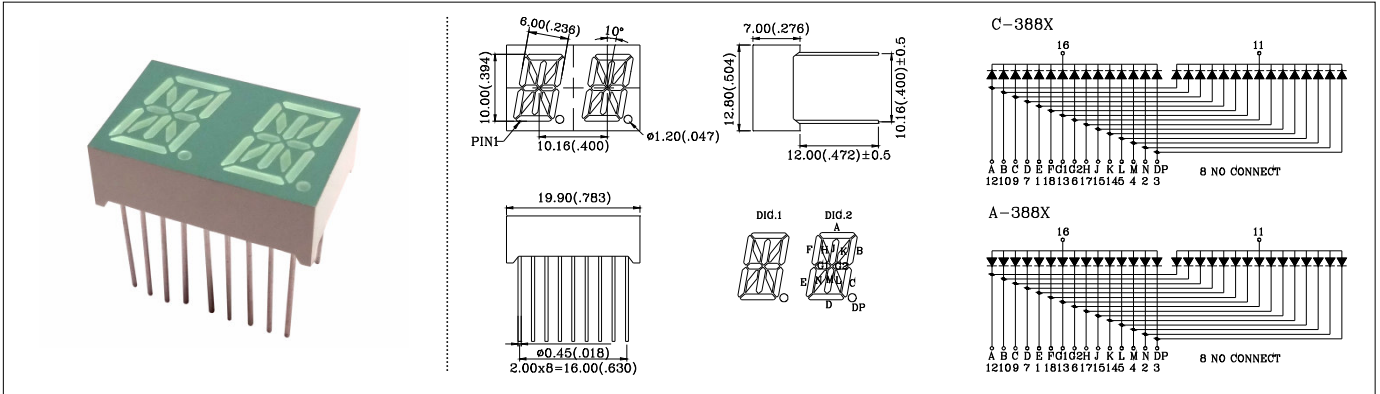
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-2018NDE-8V	DKC1AE285G	A-2018NDE-8V	DKA1AE281G	GaAsP	Orange	628	4.2(8.4)	5.6(11.2)	6.0
C-2018NDG-8V	DKC1AG284G	A-2018NDG-8V	DKA1AG280G	GaP	Yellow Green	570	4.4(8.8)	5.6(11.2)	5.4
C-2018NDY-8V	DKC1AY283G	A-2018NDY-8V	DKA1AY279G	GaAsP	Yellow	587	4.2(8.4)	5.6(11.2)	5.4
C-2018NDSR-8V	DKC1ASR282G	A-2018NDSR-8V	DKA1ASR278G	GaAlAs	Red	640	3.6(7.2)	4.4(8.8)	20.0

C/A-2308X -ALPHA-NUMERIC DISPLAY



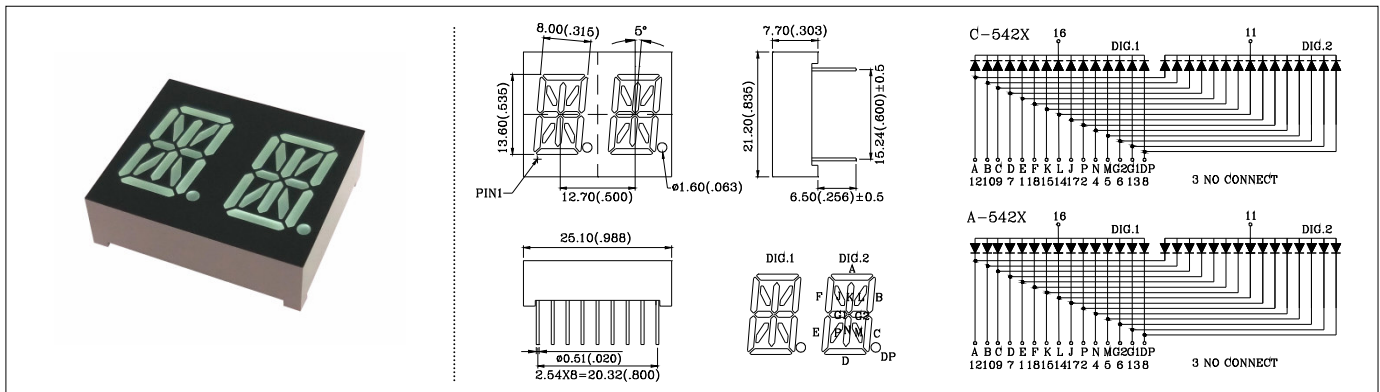
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-2308E	DKC1AE277G	A-2308E	DKA1AE273G	GaAsP	Orange	628	4.2(2.1)	5.6(2.8)	6.0
C-2308G	DKC1AG276G	A-2308G	DKA1AG272G	GaP	Yellow Green	570	4.4(2.2)	5.6(2.8)	5.4
C-2308Y	DKC1AY275G	A-2308Y	DKA1AY271G	GaAsP	Yellow	587	4.2(2.1)	5.6(2.8)	5.4
C-2308SR	DKC1ASR274G	A-2308SR	DKA1ASR270G	GaAlAs	Red	640	3.6(1.8)	4.4(2.2)	20.0

C/A-388X -ALPHA-NUMERIC DISPLAY



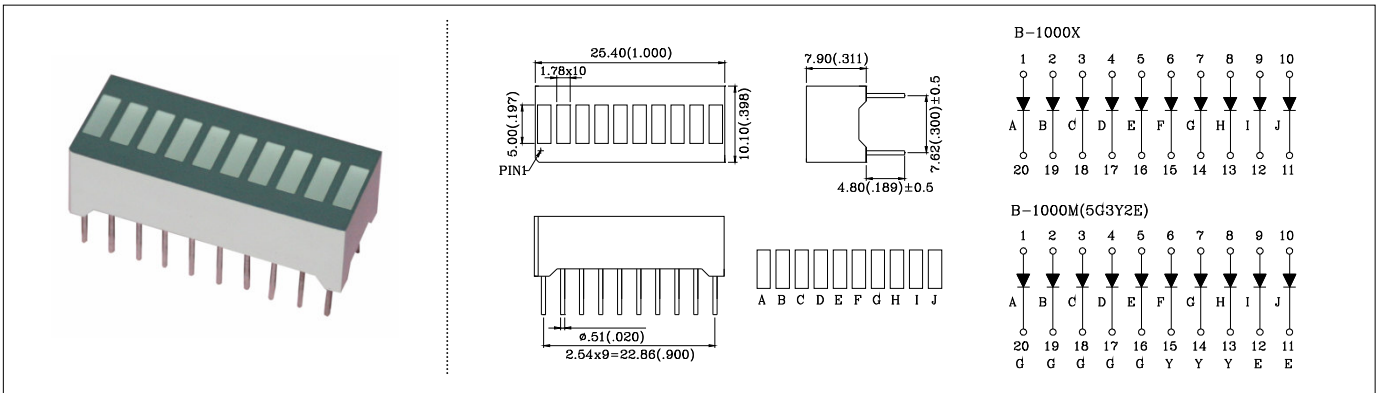
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-388E	DKC23E269G	A-388E	DKA23E265G	GaAsP	Orange	628	2.1	2.8	1.8
C-388G	DKC23G268G	A-388G	DKA23G264G	GaP	Yellow Green	570	2.2	2.8	1.6
C-388Y	DKC23Y267G	A-388Y	DKA23Y263G	GaAsP	Yellow	587	2.1	2.8	1.6
C-388SR	DKC23SR266G	A-388SR	DKA23SR262G	GaAlAs	Red	640	1.8	2.2	8.0

C/A-542X -ALPHA-NUMERIC DISPLAY



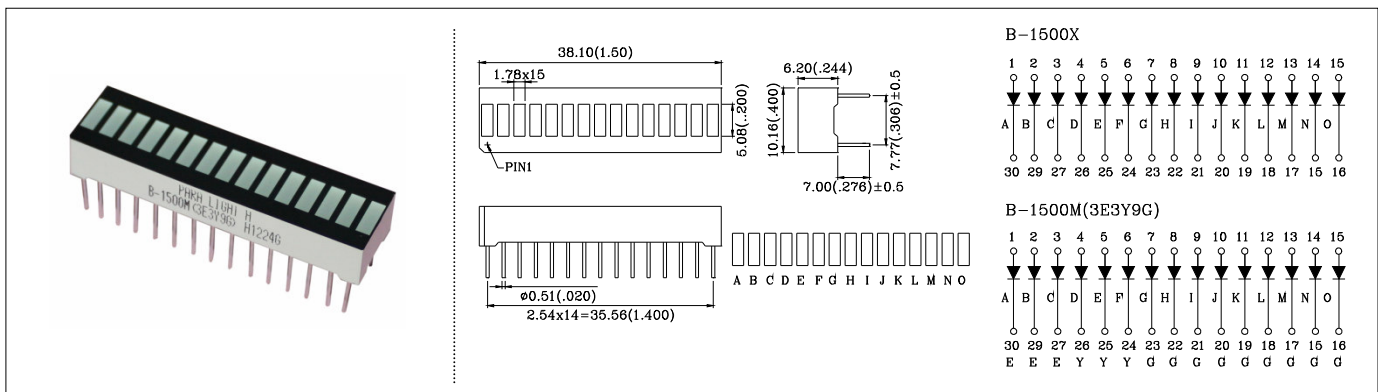
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-542E	DKC25E261G	A-542E	DKA25E257G	GaAsP	Orange	628	2.1	2.8	2.0
C-542G	DKC25G260G	A-542G	DKA25G256G	GaP	Yellow Green	570	2.2	2.8	2.0
C-542Y	DKC25Y259G	A-542Y	DKA25Y255G	GaAsP	Yellow	587	2.1	2.8	1.6
C-542SR	DKC25SR258G	A-542SR	DKA25SR254G	GaAlAs	Red	640	1.8	2.2	10.0

B-1000X -LIGHT BAR



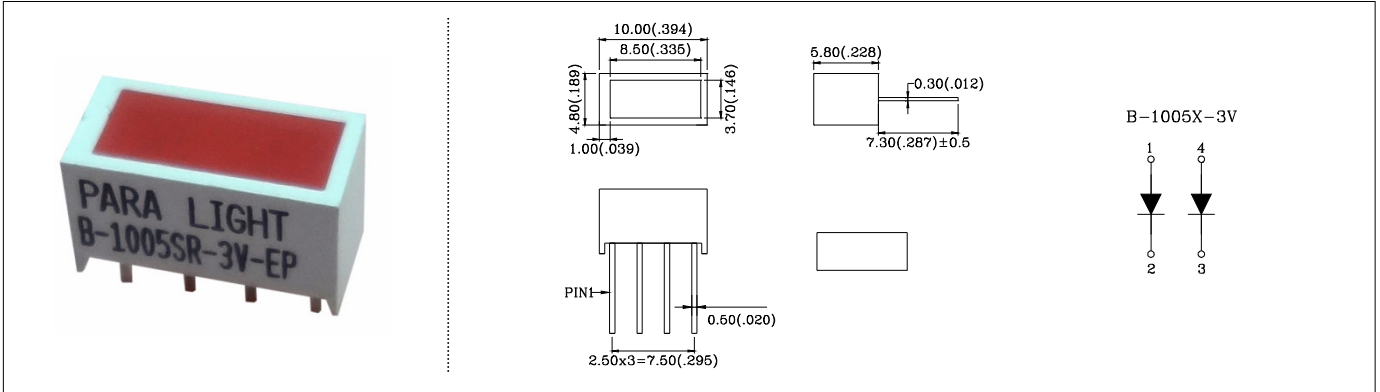
Part No	Ref. PN	Chip		Wave length λD (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
					Typ.	Max.	Typ.
B-1000E	BK010E253G	GaAsP	Orange	628	2.1	2.8	2.0
B-1000G	BK010G252G	GaP	Yellow Green	570	2.2	2.8	2.0
B-1000Y	BK010Y251G	GaAsP	Yellow	587	2.1	2.8	2.0
B-1000SR	BK010SR250G	GaAlAs	Red	640	1.8	2.2	10.0
B-1000UB	BK010UB249G	GaN	Blue	465	3.5	4.0	15.0

B-1500X -LIGHT BAR



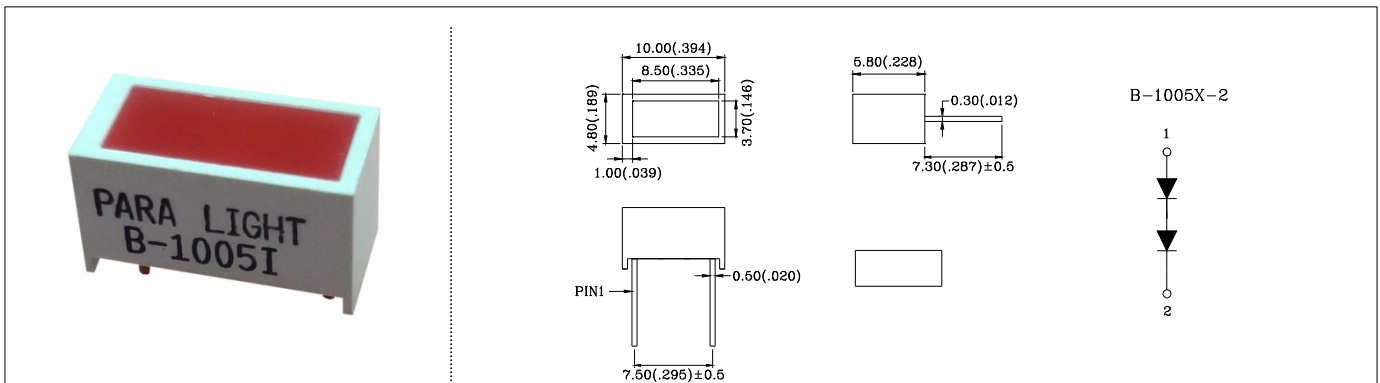
Part No	Ref. PN	Chip		Wave length λD (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
					Typ.	Max.	Typ.
B-1500E	BK010E248G	GaAsP	Orange	628	2.1	2.8	2.0
B-1500G	BK010G247G	GaP	Yellow Green	570	2.2	2.8	2.0
B-1500Y	BK010Y246G	GaAsP	Yellow	587	2.1	2.8	2.0
B-1500SR	BK010SR245G	GaAlAs	Red	640	1.8	2.2	10.0

B-1005X-3V -LIGHT BAR



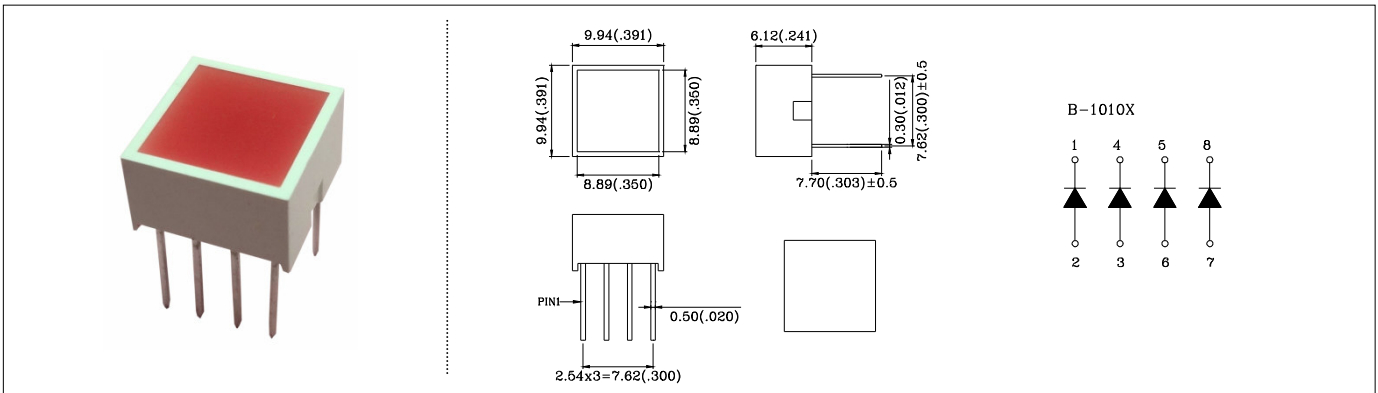
Part No	Ref. PN	Chip		Wave length λ_D (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
					Typ.	Max.	Typ.
B-1005E-3V	BK010E244G	GaAsP	Orange	628	2.1	2.8	4.0
B-1005G-3V	BK010G243G	GaP	Yellow Green	570	2.2	2.8	3.0
B-1005Y-3V	BK010Y242G	GaAsP	Yellow	587	2.1	2.8	3.0
B-1005SR-3V	BK010SR241G	GaAlAs	Red	640	1.8	2.2	6.0

B-1005X-2 -LIGHT BAR



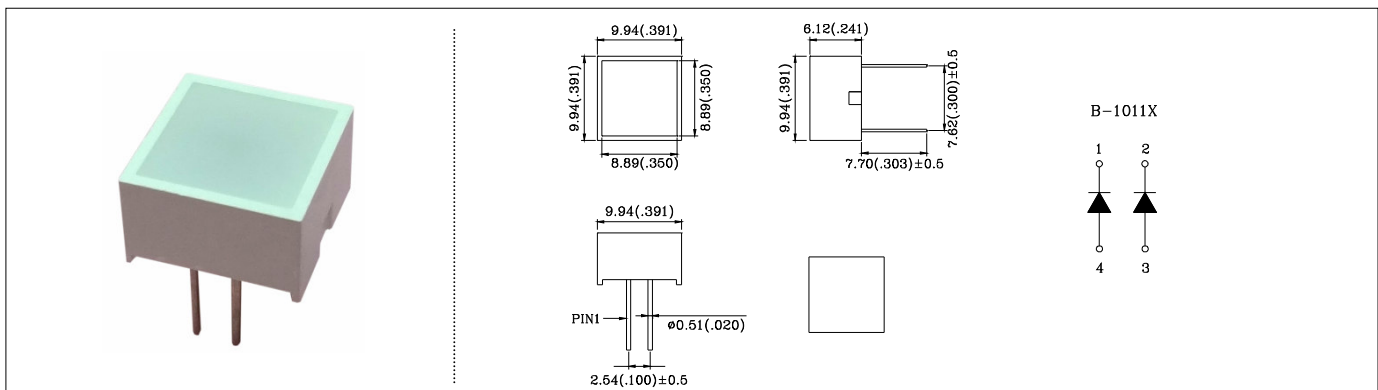
Part No	Ref. PN	Chip		Wave length λ_D (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
					Typ.	Max.	Typ.
B-1005E-2	BK010E240G	GaAsP	Orange	628	4.2	5.6	4.0
B-1005G-2	BK010G239G	GaP	Yellow Green	570	4.4	5.6	3.0
B-1005Y-2	BK010Y238G	GaAsP	Yellow	587	4.2	5.6	3.0
B-1005SR-2	BK010SR237G	GaAlAs	Red	640	3.6	4.4	6.0

B-1010X -LIGHT BAR



Part No	Ref. PN	Chip		Wave length λ_D (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
					Typ.	Max.	Typ.
B-1010E	BK010E236G	GaAsP	Orange	628	2.1	2.8	6.0
B-1010G	BK010G235G	GaP	Yellow Green	570	2.2	2.8	5.0
B-1010Y	BK010Y234G	GaAsP	Yellow	587	2.1	2.8	5.0
B-1010SR	BK010SR233G	GaAlAs	Red	640	1.8	2.2	12.0

B-1011X -LIGHT BAR

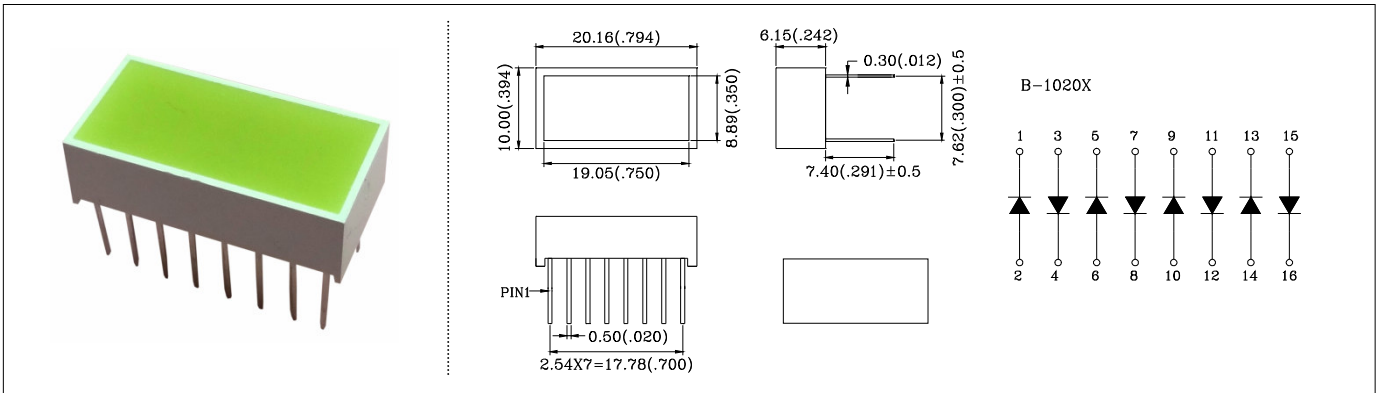


Part No	Ref. PN	Chip		Wave length λ_D (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
					Typ.	Max.	Typ.
B-1011E	BK010E232G	GaAsP	Orange	628	2.1	2.8	6.0
B-1011G	BK010G231G	GaP	Yellow Green	570	2.2	2.8	5.0
B-1011Y	BK010Y230G	GaAsP	Yellow	587	2.1	2.8	5.0
B-1011SR	BK010SR229G	GaAlAs	Red	640	1.8	2.2	12.0
B-1011UB	BK010UB228G	GaN	Blue	465	3.5	4.0	15.0
B-1011UW	BK010UW227G	GaN	White	X:0.29 Y:0.30	3.5	4.0	25.0

DISPLAY

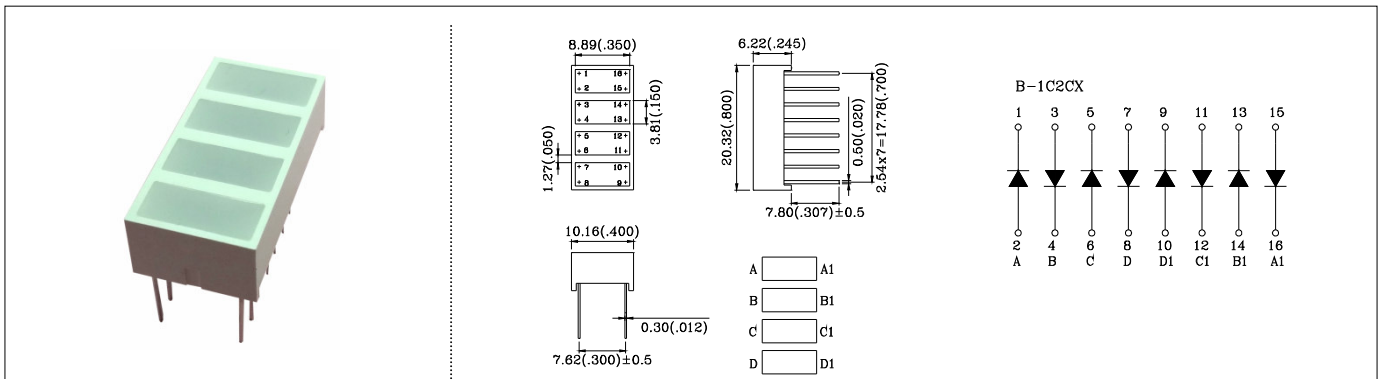
B-1020X -LIGHT BAR

DISPLAY



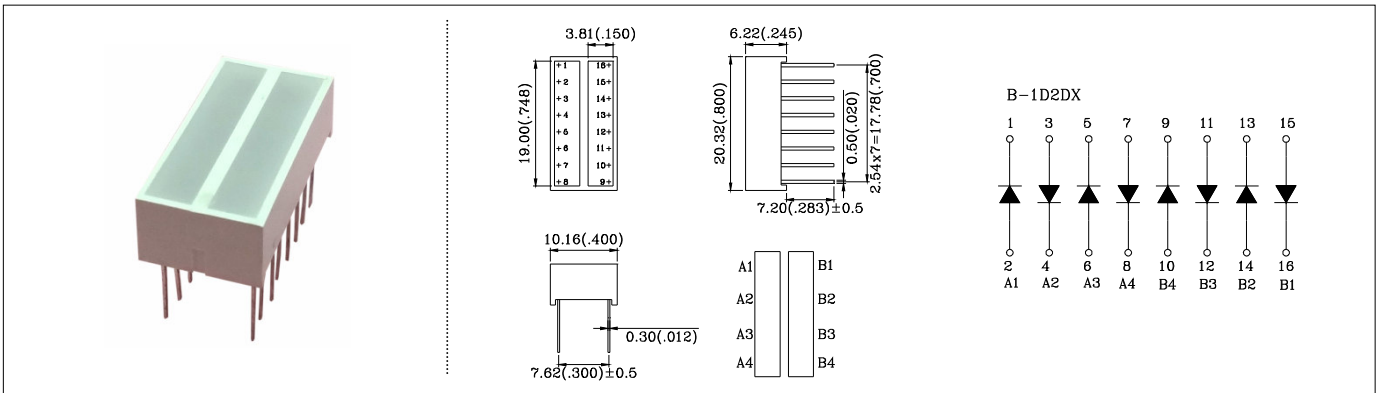
Part No	Ref. PN	Chip		Wave length λD (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
					Typ.	Max.	Typ.
B-1020E	BK010E226G	GaAsP	Orange	628	2.1	2.8	12.0
B-1020G	BK010G225G	GaP	Yellow Green	570	2.2	2.8	10.0
B-1020Y	BK010Y224G	GaAsP	Yellow	587	2.1	2.8	10.0
B-1020SR	BK010SR223G	GaAlAs	Red	640	1.8	2.2	20.0

B-1C2CX -LIGHT BAR



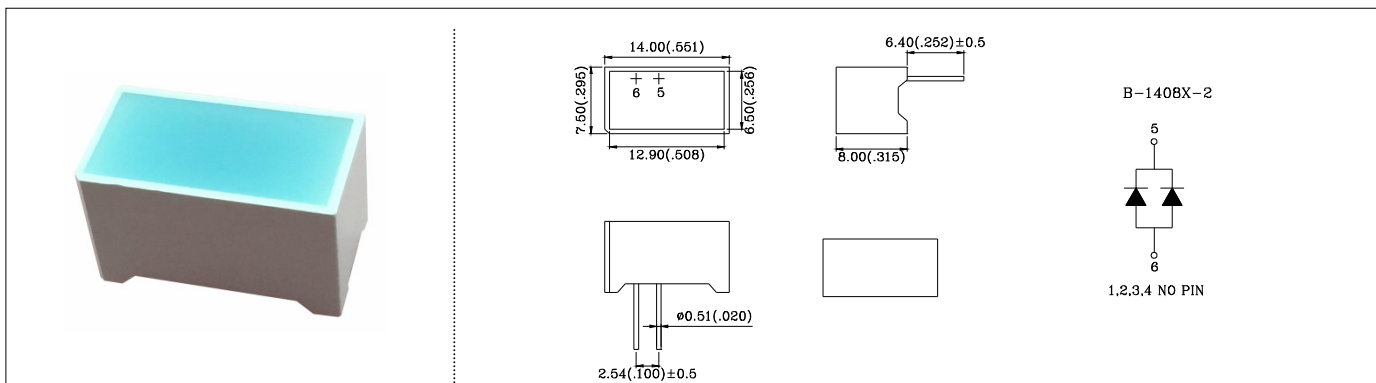
Part No	Ref. PN	Chip		Wave length λD (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
					Typ.	Max.	Typ.
B-1C2CE	BK010E222G	GaAsP	Orange	628	2.1	2.8	12.0
B-1C2CG	BK010G221G	GaP	Yellow Green	570	2.2	2.8	10.0
B-1C2CY	BK010Y220G	GaAsP	Yellow	587	2.1	2.8	10.0
B-1C2CSR	BK010SR219G	GaAlAs	Red	640	1.8	2.2	20.0

B-1D2DX -LIGHT BAR



Part No	Ref. PN	Chip		Wave length λD (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
					Typ.	Max.	Typ.
B-1D2DE	BK010E218G	GaAsP	Orange	628	2.1	2.8	12.0
B-1D2DG	BK010G217G	GaP	Yellow Green	570	2.2	2.8	10.0
B-1D2DY	BK010Y216G	GaAsP	Yellow	587	2.1	2.8	10.0
B-1D2DSR	BK010SR215G	GaAlAs	Red	640	1.8	2.2	20.0

B-1408X-2 -LIGHT BAR

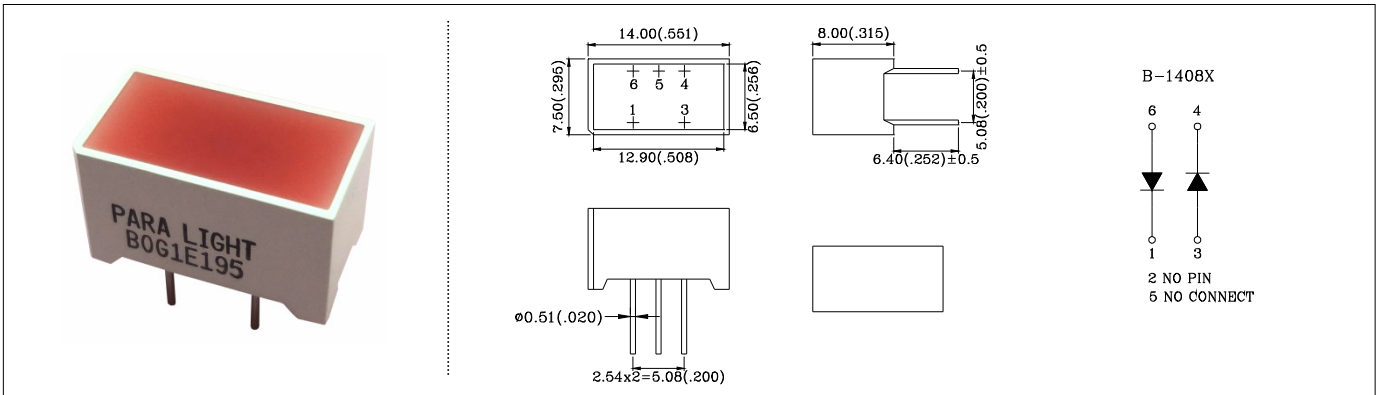


Part No	Ref. PN	Chip		Wave length λD (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
					Typ.	Max.	Typ.
B-1408E-2	BK010E214G	GaAsP	Orange	628	2.1	2.8	6.0
B-1408G-2	BK010G213G	GaP	Yellow Green	570	2.2	2.8	5.0
B-1408Y-2	BK010Y212G	GaAsP	Yellow	587	2.1	2.8	5.0
B-1408SR-2	BK010SR211G	GaAlAs	Red	640	1.8	2.2	12.0
B-1408UB-2	BK010UB210G	GaN	Blue	465	3.5	4.0	1.0

DISPLAY

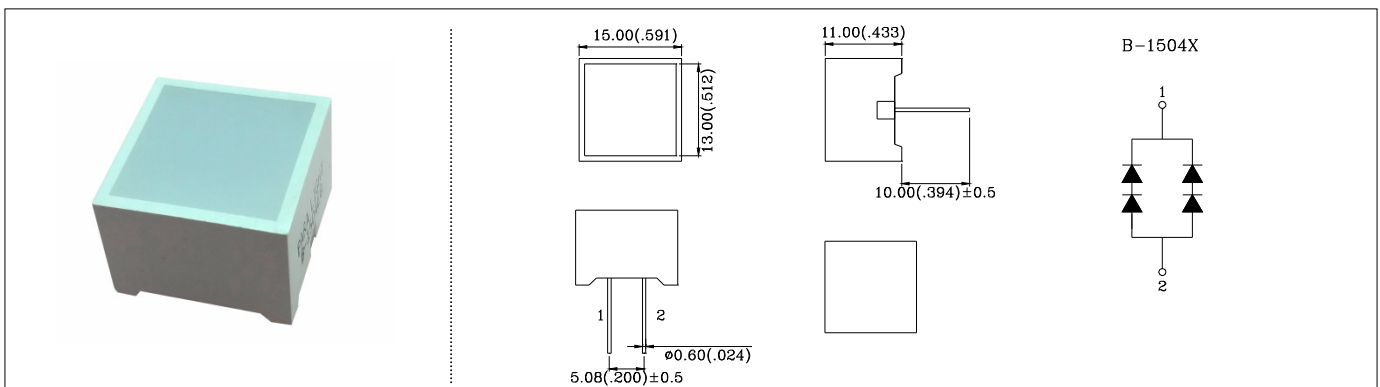
B-1408X -LIGHT BAR

DISPLAY



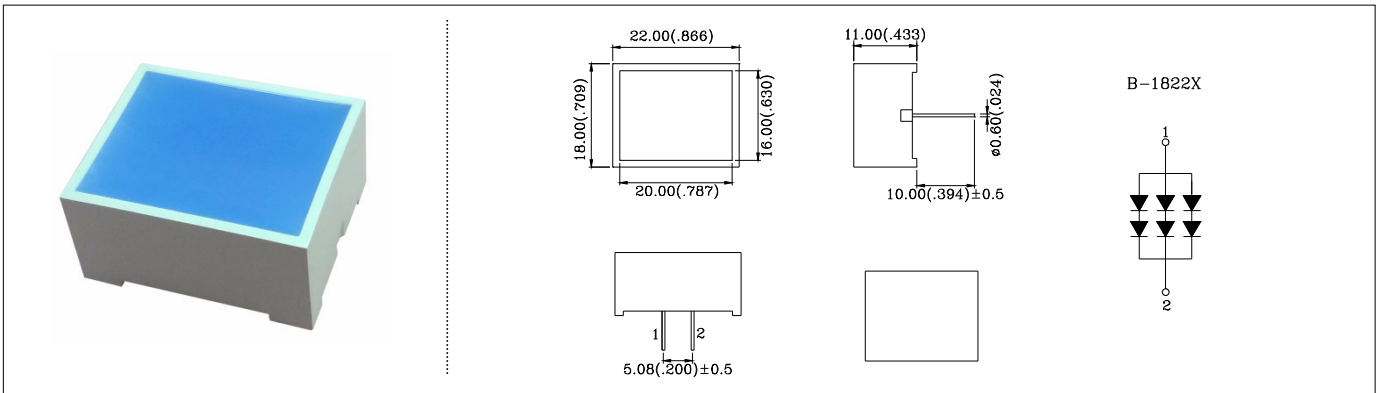
Part No	Ref. PN	Chip		Wave length λ D (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
					Typ.	Max.	Typ.
B-1408E	BK010E209G	GaAsP	Orange	628	2.1	2.8	6.0
B-1408G	BK010G208G	GaP	Yellow Green	570	2.2	2.8	5.0
B-1408Y	BK010Y207G	GaAsP	Yellow	587	2.1	2.8	5.0
B-1408SR	BK010SR206G	GaAlAs	Red	640	1.8	2.2	12.0

B-1504X -LIGHT BAR



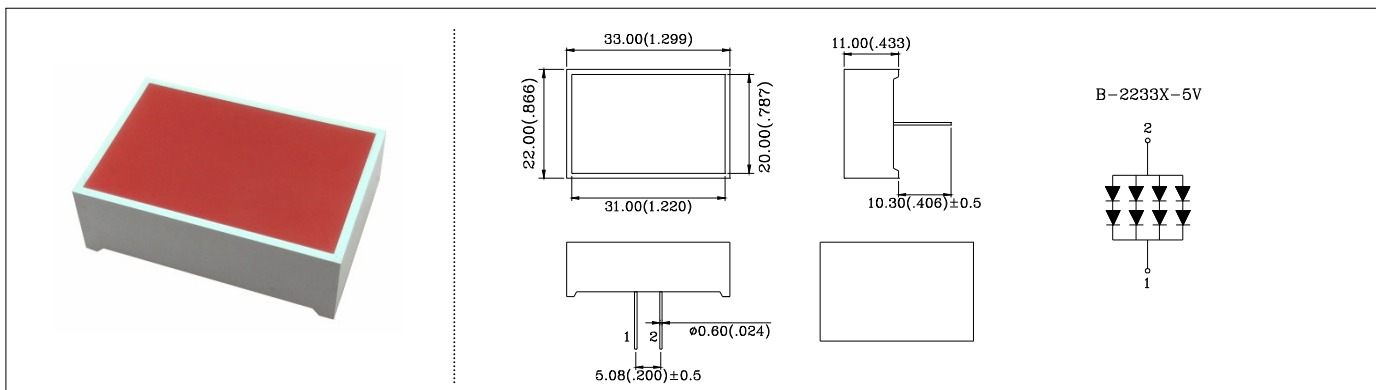
Part No	Ref. PN	Chip		Wave length λ D (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
					Typ.	Max.	Typ.
B-1504E	BK010E205G	GaAsP	Orange	628	4.2	5.6	12.0
B-1504G	BK010G204G	GaP	Yellow Green	570	4.4	5.6	10.0
B-1504Y	BK010Y203G	GaAsP	Yellow	587	4.2	5.6	10.0
B-1504SR	BK010SR202G	GaAlAs	Red	640	3.6	4.4	20.0
B-1504UB	BK010UB201G	GaN	Blue	465	7.0	8.0	28.0

B-1822X -LIGHT BAR



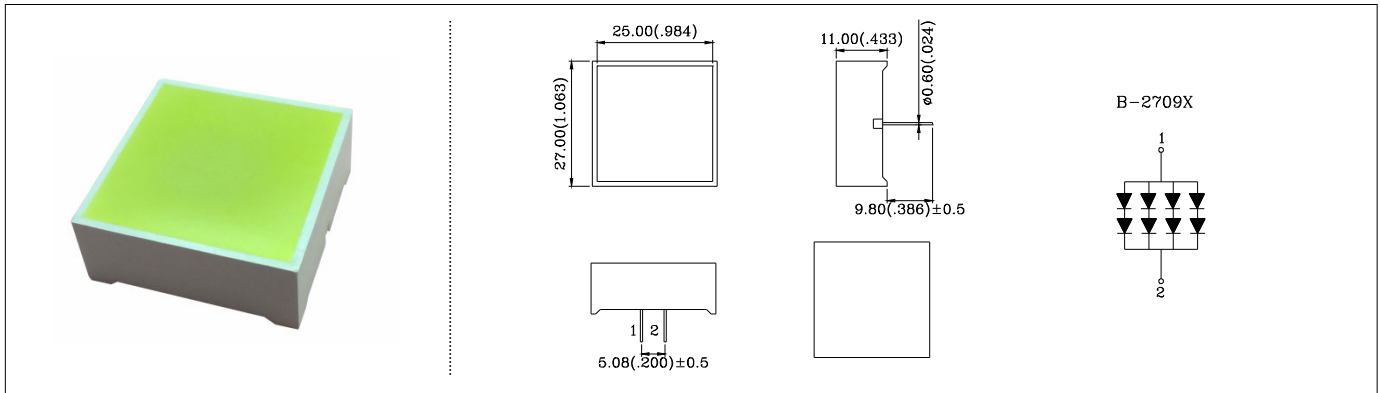
Part No	Ref. PN	Chip		Wave length λD (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
					Typ.	Max.	Typ.
B-1822E	BK010E200G	GaAsP	Orange	628	4.2	5.6	12.0
B-1822G	BK010G199G	GaP	Yellow Green	570	4.4	5.6	10.0
B-1822Y	BK010Y198G	GaAsP	Yellow	587	4.2	5.6	10.0
B-1822SR	BK010SR197G	GaAlAs	Red	640	3.6	4.4	20.0
B-1822UB	BK010UB196G	GaN	Blue	465	7.0	8.0	26.0

B-2233X-5V -LIGHT BAR



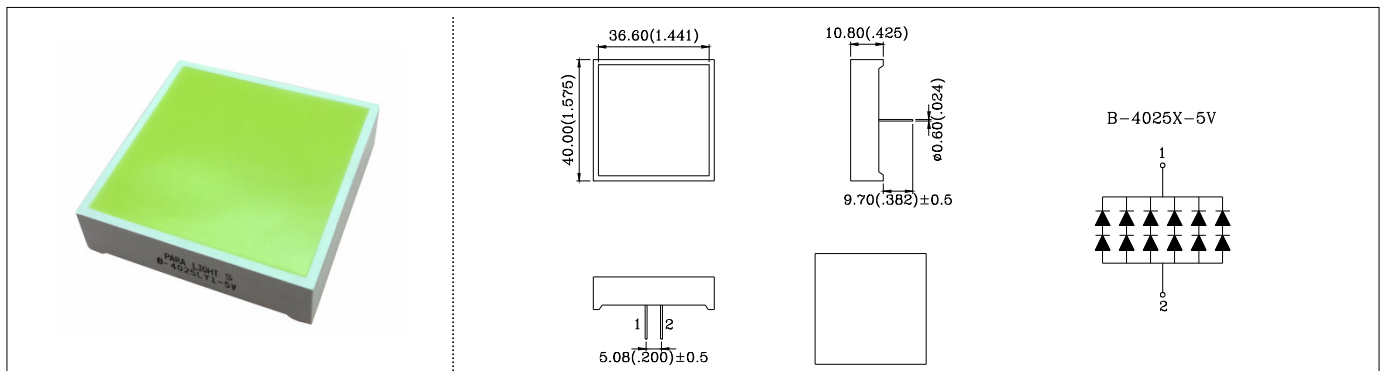
Part No	Ref. PN	Chip		Wave length λD (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
					Typ.	Max.	Typ.
B-2233E-5V	BK010E195G	GaAsP	Orange	628	4.2	5.6	16.0
B-2233G-5V	BK010G194G	GaP	Yellow Green	570	4.4	5.6	14.0
B-2233Y-5V	BK010Y193G	GaAsP	Yellow	587	4.2	5.6	14.0
B-2233SR-5V	BK010SR192G	GaAlAs	Red	640	3.6	4.4	32.0

B-2709X -LIGHT BAR



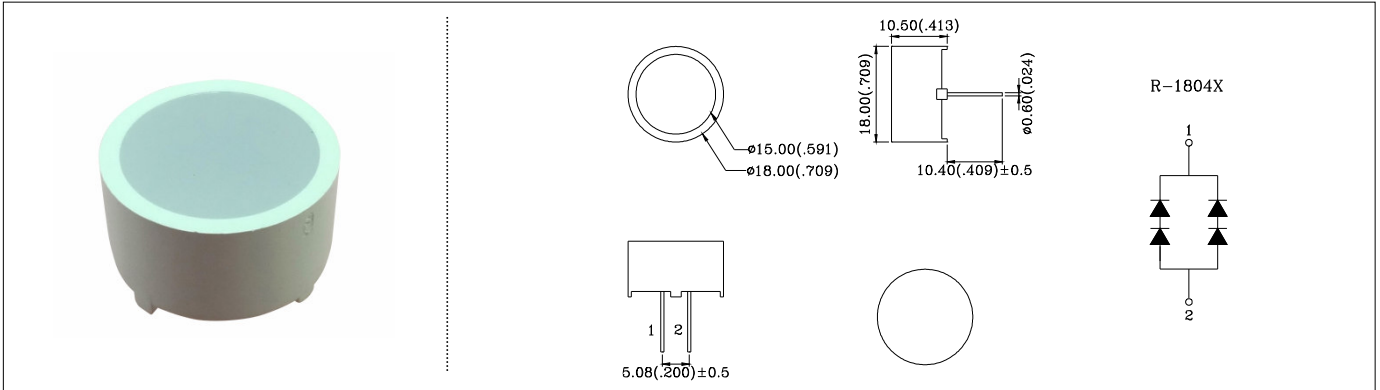
Part No	Ref. PN	Chip		Wave length λ_D (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
					Typ.	Max.	Typ.
B-2709E	BK010E191G	GaAsP	Orange	628	4.2	5.6	16.0
B-2709G	BK010G190G	GaP	Yellow Green	570	4.4	5.6	14.0
B-2709Y	BK010Y189G	GaAsP	Yellow	587	4.2	5.6	14.0
B-2709SR	BK010SR188G	GaAlAs	Red	640	3.6	4.4	32.0

B-4025X-5V -LIGHT BAR



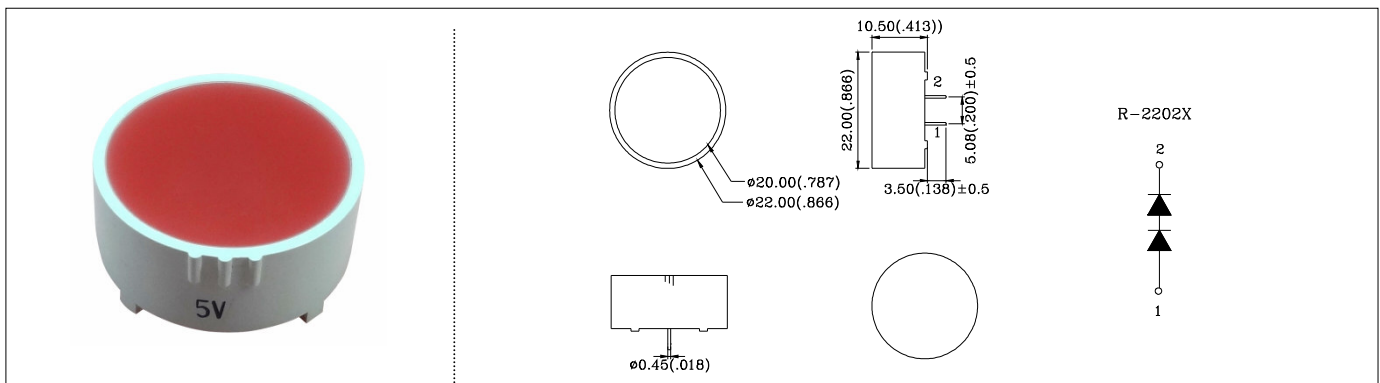
Part No	Ref. PN	Chip		Wave length λ_D (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
					Typ.	Max.	Typ.
B-4025E-5V	BK010E187G	GaAsP	Orange	628	4.2	5.6	36.0
B-4025G-5V	BK010G186G	GaP	Yellow Green	570	4.4	5.6	30.0
B-4025Y-5V	BK010Y185G	GaAsP	Yellow	587	4.2	5.6	30.0
B-4025SR-5V	BK010SR184G	GaAlAs	Red	640	3.6	4.4	70.0

R-1804X -LIGHT BAR



Part No	Ref. PN	Chip		Wave length λD (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
					Typ.	Max.	Typ.
R-1804E	BK010E183G	GaAsP	Orange	628	4.2	5.6	36.0
R-1804G	BK010G182G	GaP	Yellow Green	570	4.4	5.6	30.0
R-1804Y	BK010Y181G	GaAsP	Yellow	587	4.2	5.6	30.0
R-1804SR	BK010SR180G	GaAlAs	Red	640	3.6	4.4	70.0

R-2202X -LIGHT BAR

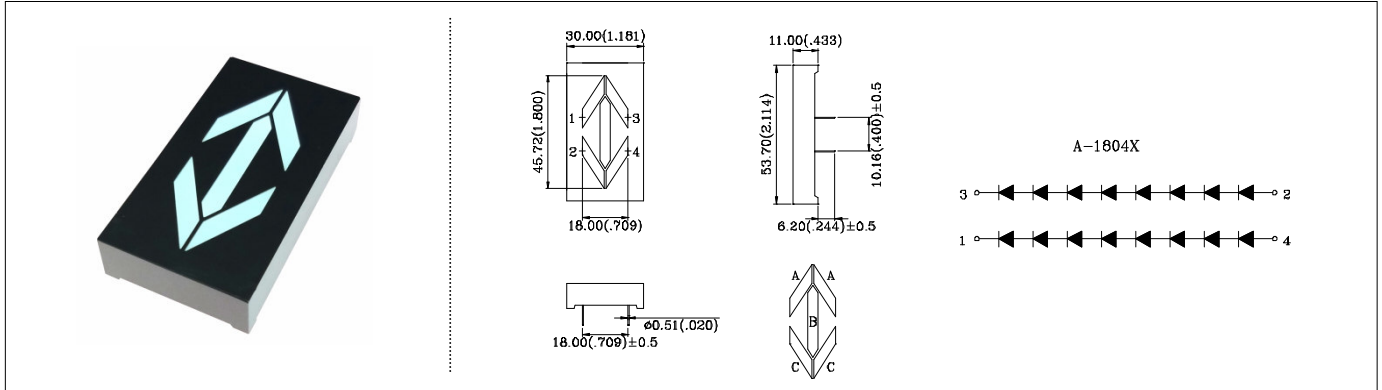


Part No	Ref. PN	Chip		Wave length λD (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
					Typ.	Max.	Typ.
R-2202E	BK010E179G	GaAsP	Orange	628	4.2	5.6	20.0
R-2202G	BK010G178G	GaP	Yellow Green	570	4.4	5.6	18.0
R-2202Y	BK010Y177G	GaAsP	Yellow	587	4.2	5.6	18.0
R-2202SR	BK010SR176G	GaAlAs	Red	640	3.6	4.4	32.0

DISPLAY

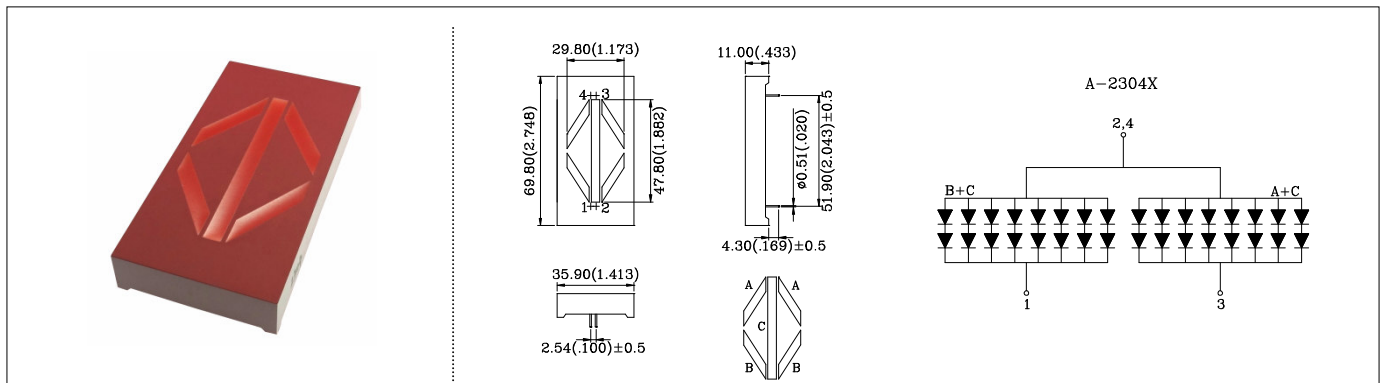
A-1804X -LIGHT BAR

DISPLAY



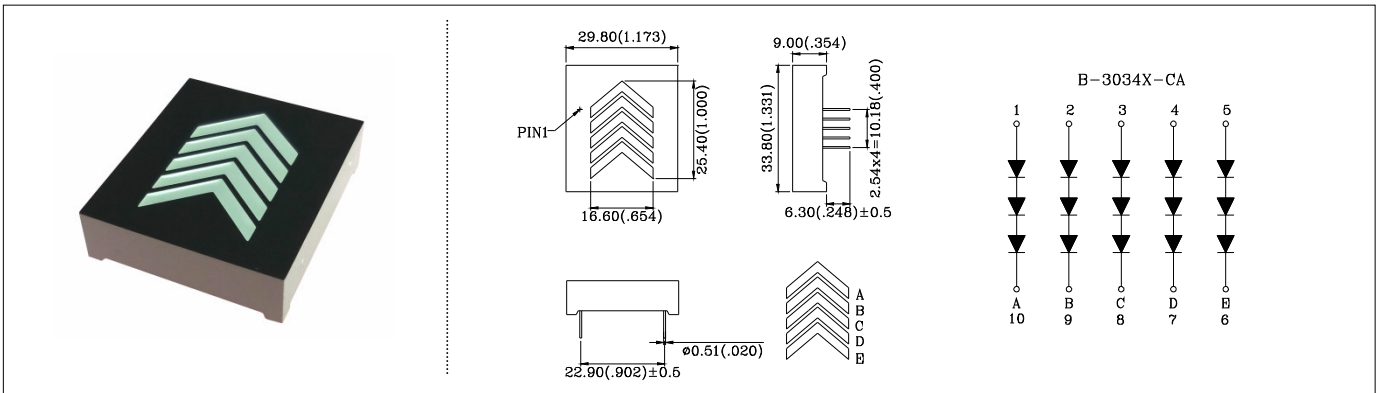
Part No	Ref. PN	Chip		Wave length λ_D (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
					Typ.	Max.	Typ.
A-1804E	BK010E175G	GaAsP	Orange	628	16.8	22.4	12.0
A-1804G	BK010G174G	GaP	Yellow Green	570	17.6	22.4	10.0
A-1804Y	BK010Y173G	GaAsP	Yellow	587	16.8	22.4	10.0
A-1804SR	BK010SR172G	GaAlAs	Red	640	14.4	17.6	20.0

A-2304X -LIGHT BAR



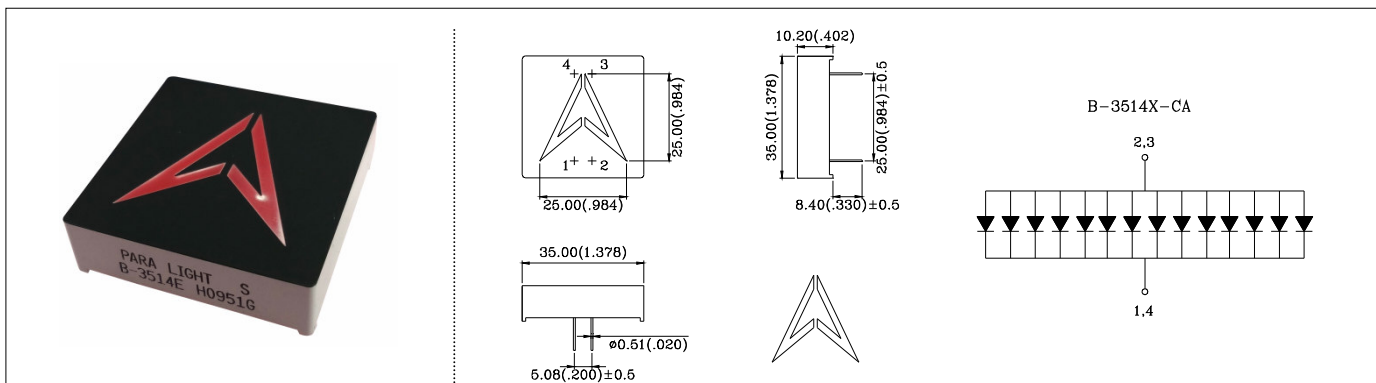
Part No	Ref. PN	Chip		Wave length λ_D (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
					Typ.	Max.	Typ.
A-2304E	BK020E171G	GaAsP	Orange	628	4.2	5.6	12.0
A-2304G	BK020G170G	GaP	Yellow Green	570	4.4	5.6	10.0
A-2304Y	BK020Y169G	GaAsP	Yellow	587	4.2	5.6	10.0
A-2304SR	BK020SR168G	GaAlAs	Red	640	3.6	4.4	20.0

B-3034X-CA -LIGHT BAR



Part No	Ref. PN	Chip		Wave length λD (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
					Typ.	Max.	Typ.
B-3034E-CA	BK010E167G	GaAsP	Orange	628	6.3	8.4	4.8
B-3034G-CA	BK010G166G	GaP	Yellow Green	570	6.6	8.4	4.5
B-3034Y-CA	BK010Y165G	GaAsP	Yellow	587	6.3	8.4	4.3
B-3034SR-CA	BK010SR164G	GaAlAs	Red	640	5.4	6.6	12.0

B-3514X-CA -LIGHT BAR

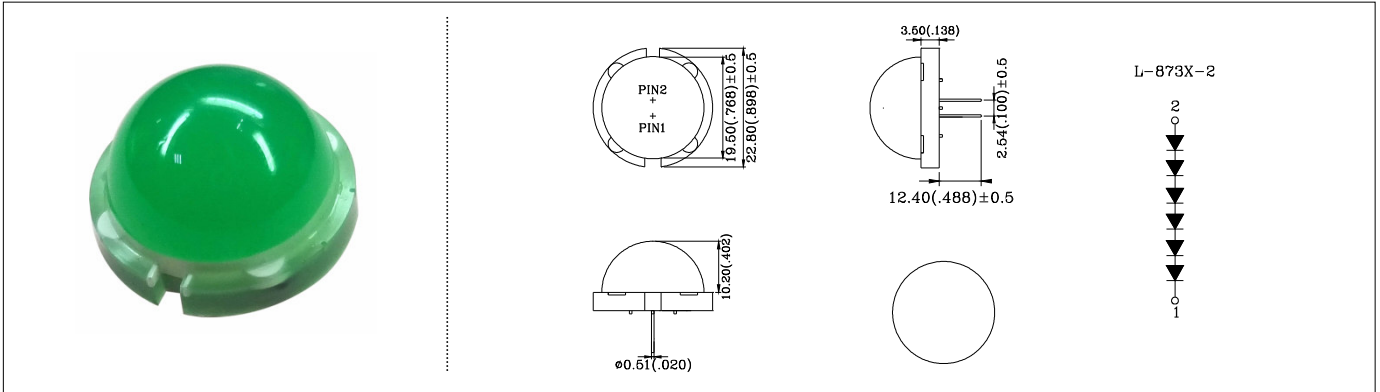


Part No	Ref. PN	Chip		Wave length λD (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
					Typ.	Max.	Typ.
B-3514E-CA	BK010E163G	GaAsP	Orange	628	2.1	2.8	3.2
B-3514G-CA	BK010G162G	GaP	Yellow Green	570	2.2	2.8	3.0
B-3514Y-CA	BK010Y161G	GaAsP	Yellow	587	2.1	2.8	2.9
B-3514SR-CA	BK010SR160G	GaAlAs	Red	640	1.8	2.2	8.0

DISPLAY

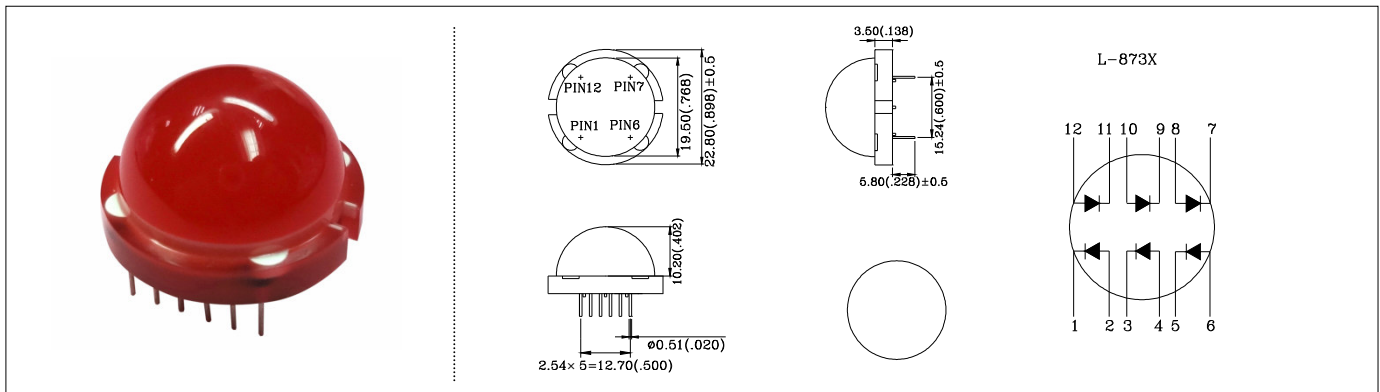
L-873X-2 -LIGHT BAR

DISPLAY



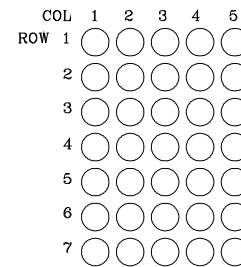
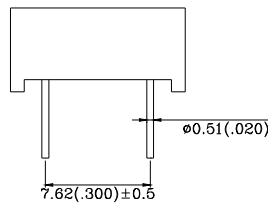
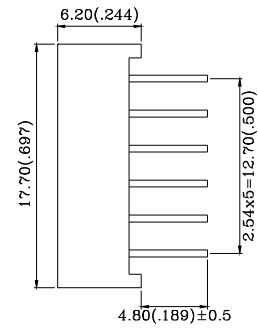
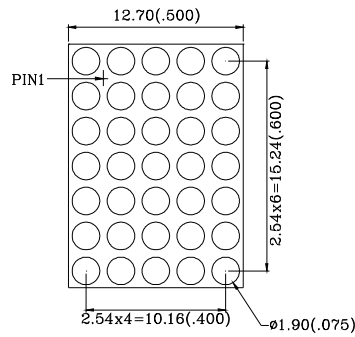
Part No	Ref. PN	Chip		Wave length λ_D (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
					Typ.	Max.	Typ.
L-873E-2	BK020E159G	GaAsP	Orange	628	12.6	16.8	25.0
L-873G-2	BK020G158G	GaP	Yellow Green	570	13.2	16.8	20.0
L-873Y-2	BK020Y157G	GaAsP	Yellow	587	12.6	16.8	20.0
L-873SR-2	BK020SR156G	GaAlAs	Red	640	10.8	13.2	100.0
L-873UB-2	BK020UB155G	GaN	Blue	465	21.0	24.0	160.0

L-873X -LIGHT BAR

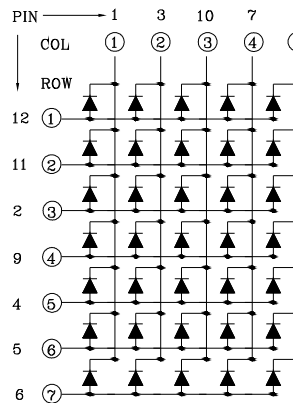


Part No	Ref. PN	Chip		Wave length λ_D (nm)	Electro-optical characteristics		
		Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
					Typ.	Max.	Typ.
L-873E	BK020E154G	GaAsP	Orange	628	2.1	2.8	25.0
L-873G	BK020G153G	GaP	Yellow Green	570	2.2	2.8	20.0
L-873Y	BK020Y152G	GaAsP	Yellow	587	2.1	2.8	20.0
L-873SR	BK020SR151G	GaAlAs	Red	640	1.8	2.2	100.0

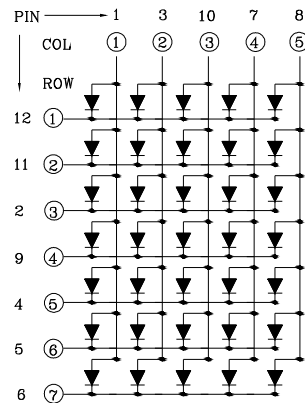
C/A-2570X -0.7 INCH,5x7 DOT MATRIX DISPLAY



C-2570X

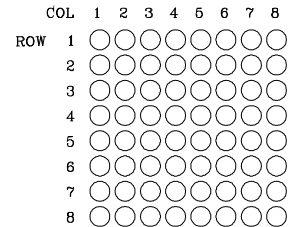
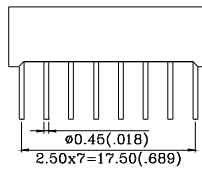
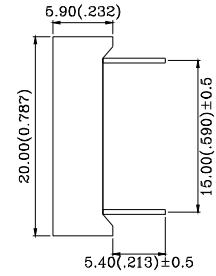
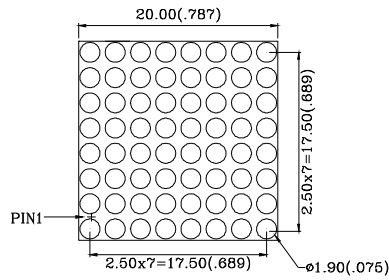
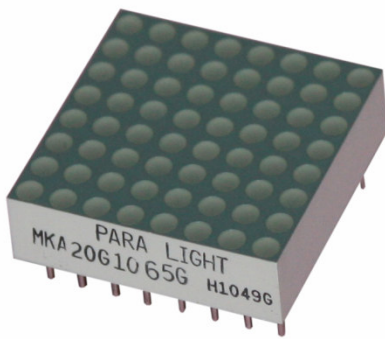


A-2570X

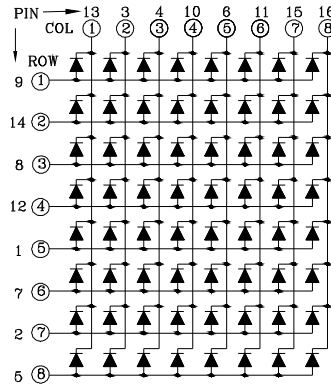


Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-2570E	MKC20E150G	A-2570E	MKA20E145G	GaAsP	Orange	628	2.1	2.8	2.8
C-2570G	MKC20G149G	A-2570G	MKA20G144G	GaP	Yellow Green	570	2.2	2.8	2.6
C-2570Y	MKC20Y148G	A-2570Y	MKA20Y143G	GaAsP	Yellow	587	2.1	2.8	2.6
C-2570SR	MKC20SR147G	A-2570SR	MKA20SR142G	GaAlAs	Red	640	1.8	2.2	7.0
C-2570UB	MKC20UB146G	A-2570UB	MKA20UB141G	GaN	Blue	465	3.5	4.0	8.0

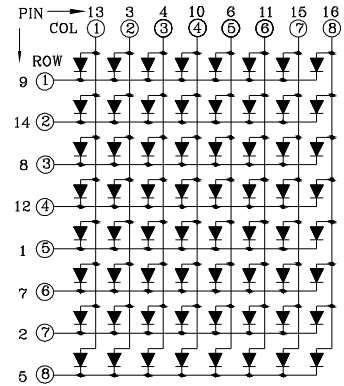
C/A-2880X -0.8 INCH, 8x8 DOT MATRIX DISPLAY



C-2880X

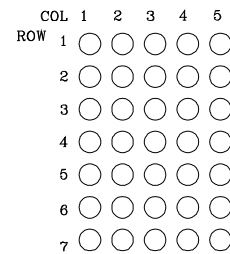
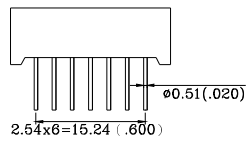
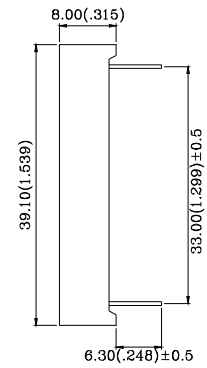
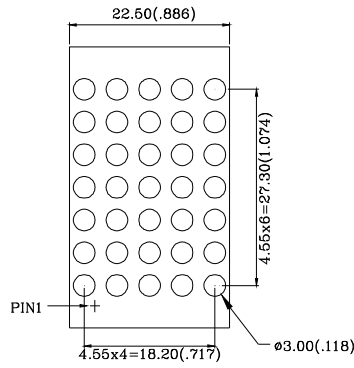
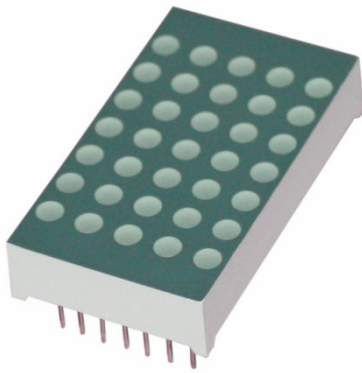


A-2880X

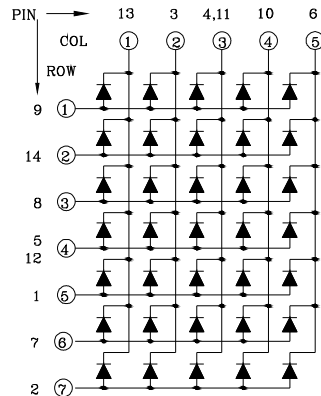


Common Cathode		Common Anode		Chip		Wave length λ_D (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-2880E	MKC20E140G	A-2880E	MKA20E135G	GaAsP	Orange	628	2.1	2.8	2.8
C-2880G	MKC20G139G	A-2880G	MKA20G134G	GaP	Yellow Green	570	2.2	2.8	2.6
C-2880Y	MKC20Y138G	A-2880Y	MKA20Y133G	GaAsP	Yellow	587	2.1	2.8	2.6
C-2880SR	MKC20SR137G	A-2880SR	MKA20SR132G	GaAlAs	Red	640	1.8	2.2	7.0
C-2880UB	MKC20UB136G	A-2880UB	MKA20UB131G	GaN	Blue	465	3.5	4.0	8.0

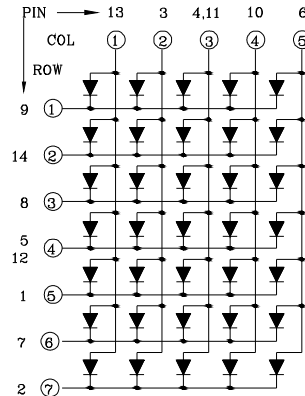
C/A-3570X -1.5 INCH,5x7 DOT MATRIX DISPLAY



C-3570X

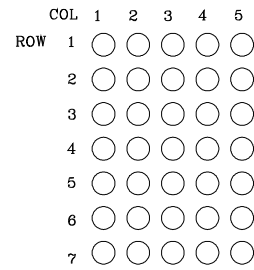
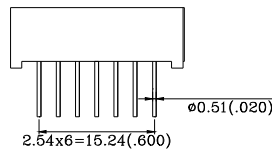
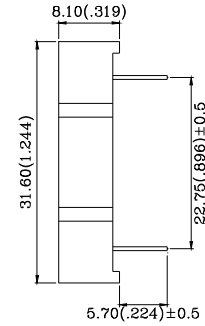
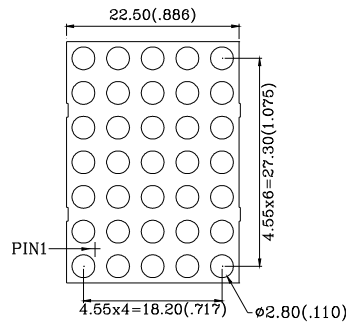
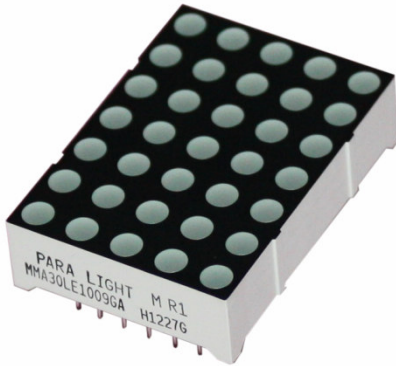


A-3570X

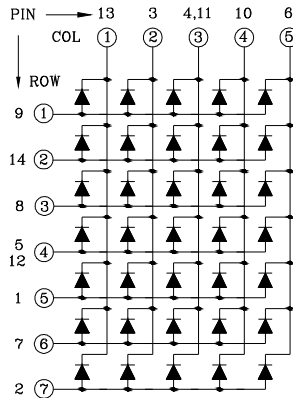


Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-3570E	MKC30E130G	A-3570E	MKA30E125G	GaAsP	Orange	628	2.1	2.8	2.8
C-3570G	MKC30G129G	A-3570G	MKA30G124G	GaP	Yellow Green	570	2.2	2.8	2.6
C-3570Y	MKC30Y128G	A-3570Y	MKA30Y123G	GaAsP	Yellow	587	2.1	2.8	2.6
C-3570SR	MKC30SR127G	A-3570SR	MKA30SR122G	GaAlAs	Red	640	1.8	2.2	8.0
C-3570UB	MKC30UB126G	A-3570UB	MKA30UB121G	GaN	Blue	465	3.5	4.0	9.6

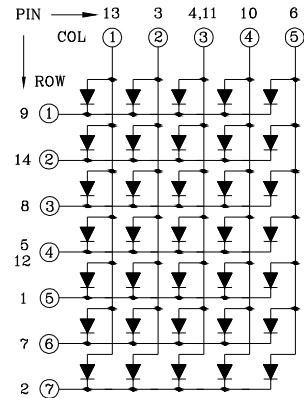
C/A-3571X -1.2 INCH,5x7 DOT MATRIX DISPLAY



C-3571X

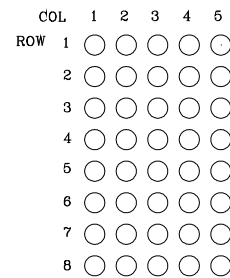
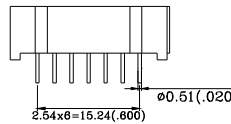
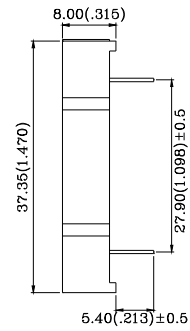
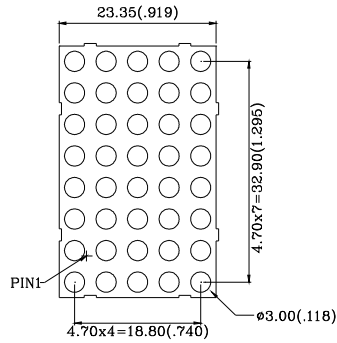
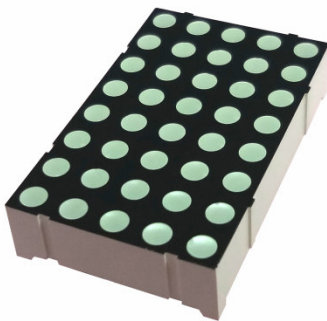


A-3571X

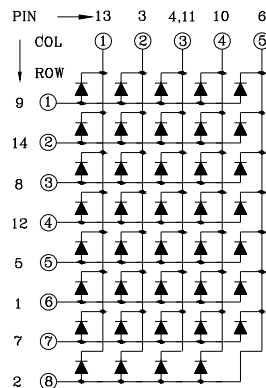


Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-3571E	MKC30E120G	A-3571E	MKA30E115G	GaAsP	Orange	628	2.1	2.8	3.0
C-3571G	MKC30G119G	A-3571G	MKA30G114G	GaP	Yellow Green	570	2.2	2.8	2.8
C-3571Y	MKC30Y118G	A-3571Y	MKA30Y113G	GaAsP	Yellow	587	2.1	2.8	2.8
C-3571SR	MKC30SR117G	A-3571SR	MKA30SR112G	GaAlAs	Red	640	1.8	2.2	8.0
C-3571UB	MKC30UB116G	A-3571UB	MKA30UB111G	GaN	Blue	465	3.5	4.0	10.0

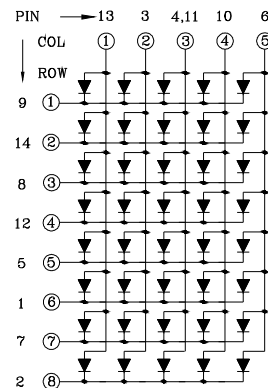
C/A-3580X -1.5 INCH,5x8 DOT MATRIX DISPLAY



C-3580X



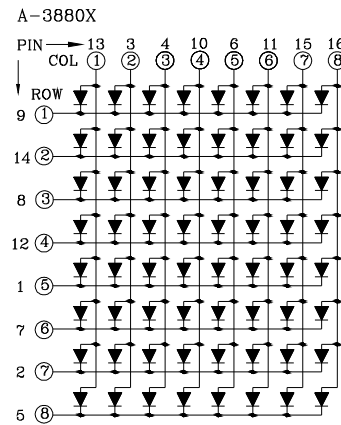
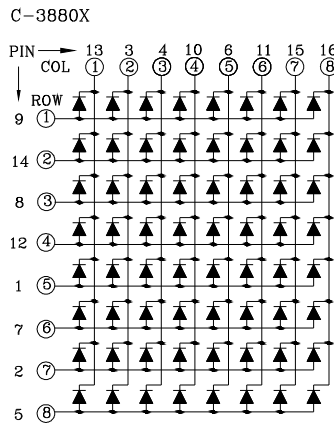
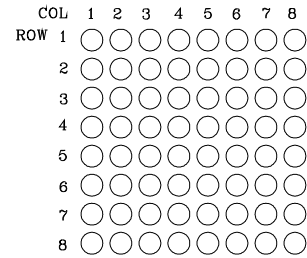
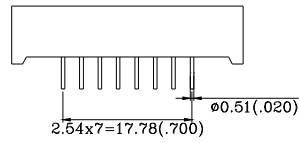
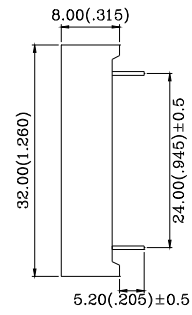
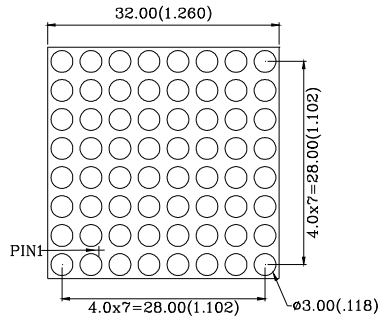
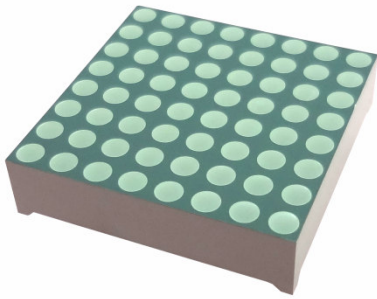
A-3580X



Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-3580E	MKC30E110G	A-3580E	MKA30E106G	GaAsP	Orange	628	2.1	2.8	3.0
C-3580G	MKC30G109G	A-3580G	MKA30G105G	GaP	Yellow Green	570	2.2	2.8	2.8
C-3580Y	MKC30Y0108G	A-3580Y	MKA30Y104G	GaAsP	Yellow	587	2.1	2.8	2.8
C-3580SR	MKC30SR107G	A-3580SR	MKA30SR103G	GaAlAs	Red	640	1.8	2.2	8.0

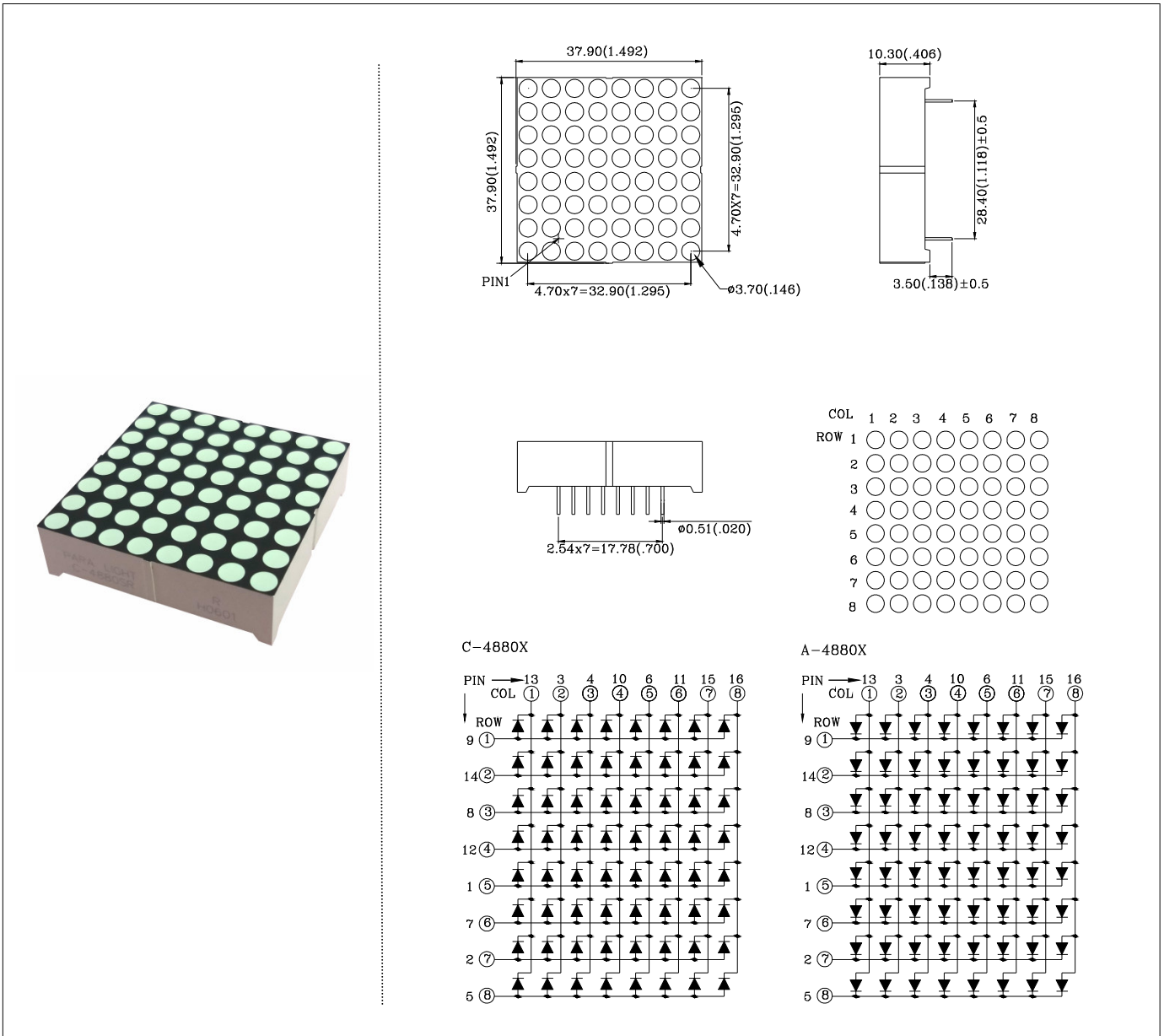
C/A-3880X -1.2 INCH,8x8 DOT MATRIX DISPLAY

DISPLAY



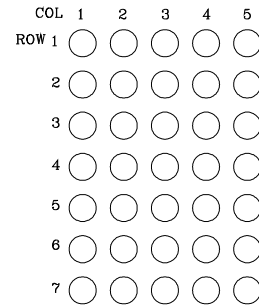
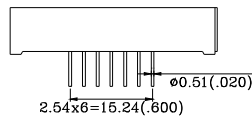
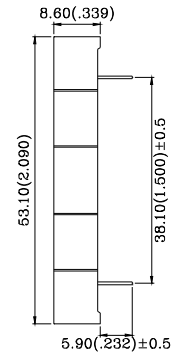
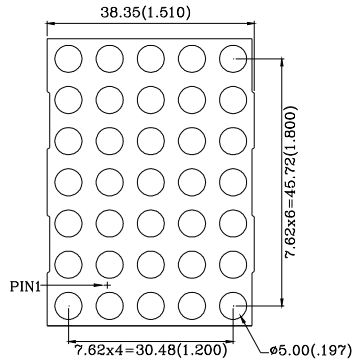
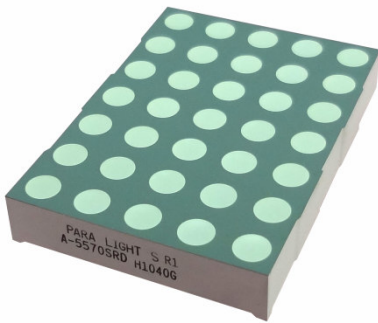
Common Cathode		Common Anode		Chip		Wave length λ_D (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-3880E	MKC30E102G	A-3880E	MKA30E097G	GaAsP	Orange	628	2.1	2.8	3.0
C-3880G	MKC30G101G	A-3880G	MKA30G096G	GaP	Yellow Green	570	2.2	2.8	2.8
C-3880Y	MKC30Y100G	A-3880Y	MKA30Y095G	GaAsP	Yellow	587	2.1	2.8	2.8
C-3880SR	MKC30SR099G	A-3880SR	MKA30SR094G	GaAlAs	Red	640	1.8	2.2	8.0
C-3880UB	MKC30UB098G	A-3880UB	MKA30UB093G	GaN	Blue	465	3.5	4.0	12.0

C/A-4880X -1.5 INCH,8x8 DOT MATRIX DISPLAY

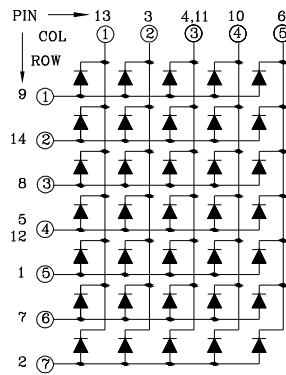


Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-4880E	MKC40E092G	A-4880E	MKA40E088G	GaAsP	Orange	628	2.1	2.8	3.6
C-4880G	MKC40G091G	A-4880G	MKA40G087G	GaP	Yellow Green	570	2.2	2.8	3.4
C-4880Y	MKC40Y090G	A-4880Y	MKA40Y086G	GaAsP	Yellow	587	2.1	2.8	3.4
C-4880SR	MKC40SR089G	A-4880SR	MKA40SR085G	GaAlAs	Red	640	1.8	2.2	10.0

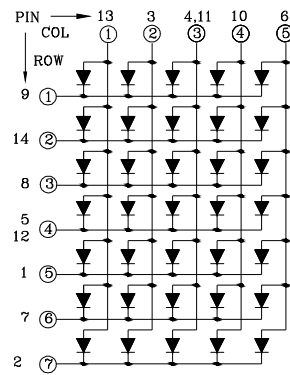
C/A-5570X -2.0 INCH,5x7 DOT MATRIX DISPLAY



C-5570X

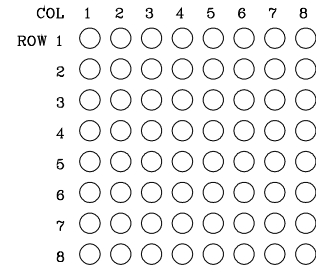
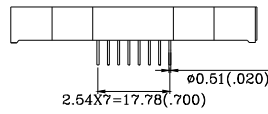
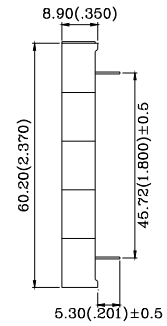
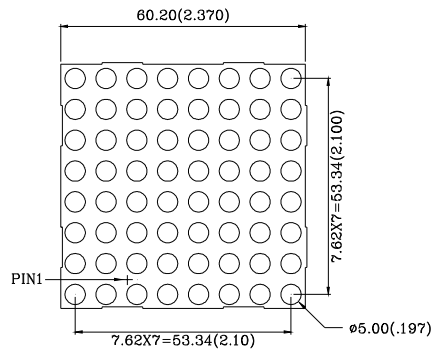


A-5570X

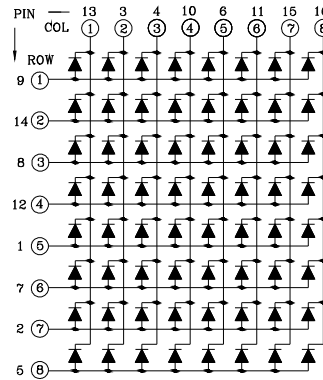


Common Cathode		Common Anode		Chip		Wave length λ_D (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-5570E	MKC50E084G	A-5570E	MKA50E079G	GaAsP	Orange	628	2.1	2.8	3.6
C-5570G	MKC50G083G	A-5570G	MKA50G078G	GaP	Yellow Green	570	2.2	2.8	3.4
C-5570Y	MKC50Y082G	A-5570Y	MKA50Y077G	GaAsP	Yellow	587	2.1	2.8	3.4
C-5570SR	MKC50SR081G	A-5570SR	MKA50SR076G	GaAlAs	Red	640	1.8	2.2	10.0
C-5570UB	MKC50UB080G	A-5570UB	MKA50UB075G	GaN	Blue	465	3.5	4.0	15.0

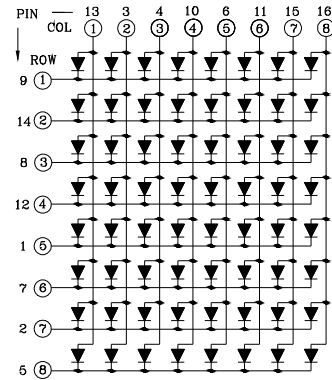
C/A-5880X -2.4 INCH,8x8 DOT MATRIX DISPLAY



C-5880X



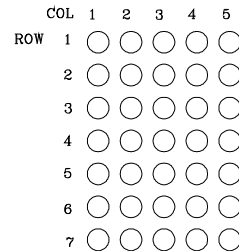
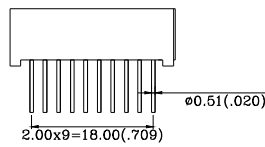
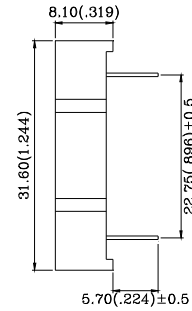
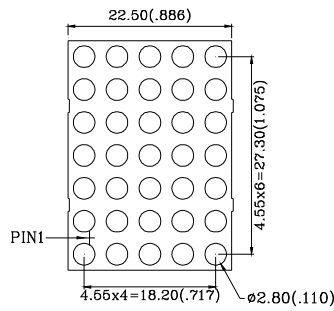
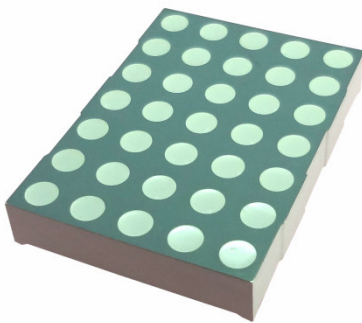
A-5880X



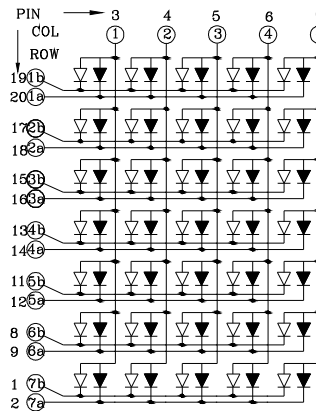
Common Cathode		Common Anode		Chip		Wave length λ_D (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-5880E	MKC50E074G	A-5880E	MKA50E070G	GaAsP	Orange	628	2.1	2.8	3.6
C-5880G	MKC50G073G	A-5880G	MKA50G069G	GaP	Yellow Green	570	2.2	2.8	3.4
C-5880Y	MKC50Y072G	A-5880Y	MKA50Y068G	GaAsP	Yellow	587	2.1	2.8	3.4
C-5880SR	MKC50SR071G	A-5880SR	MKA50SR067G	GaAlAs	Red	640	1.8	2.2	10.0

C/A-3571EG -1.2 INCH,5x7 DOT MATRIX DISPLAY(MULTI-COLOR)

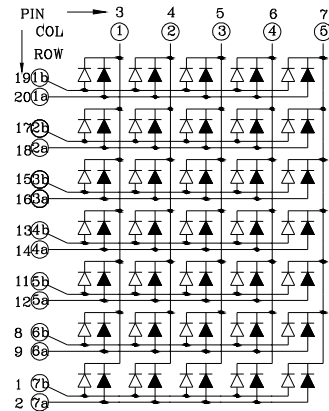
DISPLAY



C-3571EG



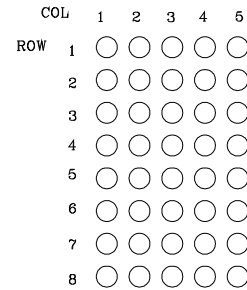
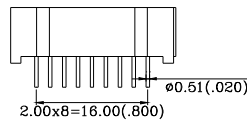
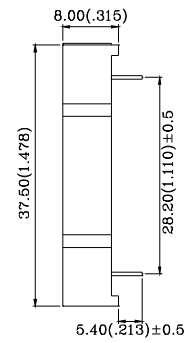
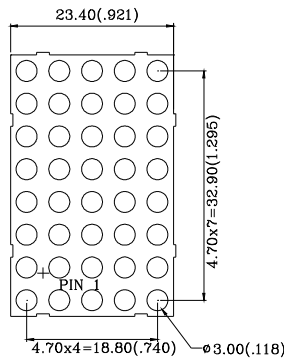
A-3571EG



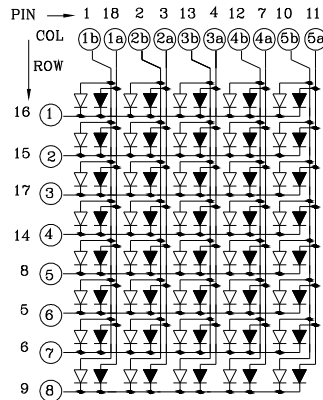
a for Hi.effi Red color chip
 b for Yellow Green color chip

Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-3571EG	MKC30EG066G	A-3571EG	MKA30EG065G	GaAsP	Orange	628	2.1	2.8	3.0
				GaP	Yellow Green	570	2.2	2.8	2.8

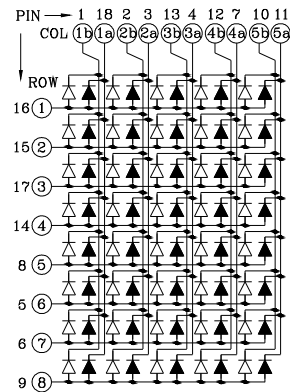
C/A-3580EG -1.5 INCH,5x8 DOT MATRIX DISPLAY(MULTI-COLOR)



C-3580EG



A-3580EG

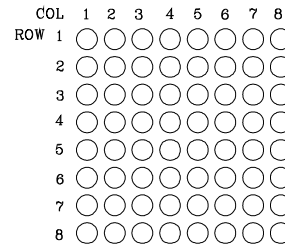
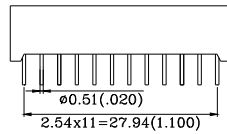
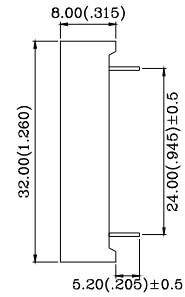
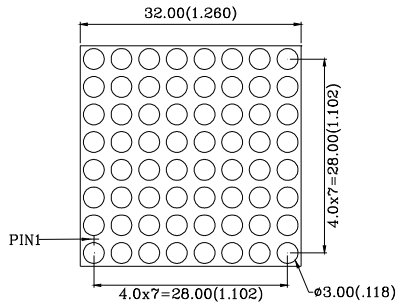
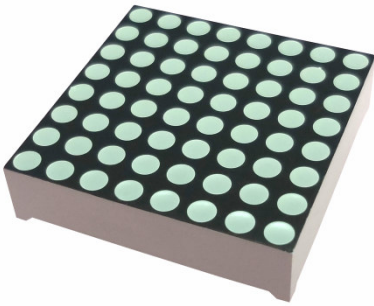


a for Hi.effi Red color chip
 b for Yellow Green color chip

Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-3580EG	MKC30EG064G	A-3580EG	MKA30EG063G	GaAsP	Orange	628	2.1	2.8	3.0
				GaP	Yellow Green	570	2.2	2.8	2.8

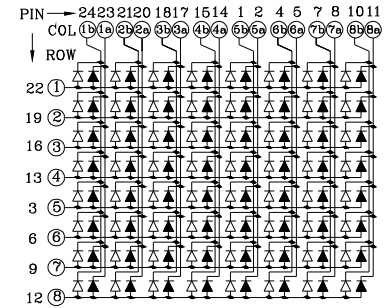
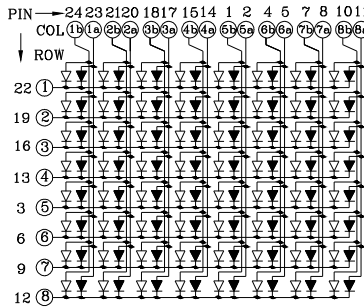
C/A-3880EG -1.2 INCH,8x8 DOT MATRIX DISPLAY(MULTI-COLOR)

DISPLAY



C-3880EG

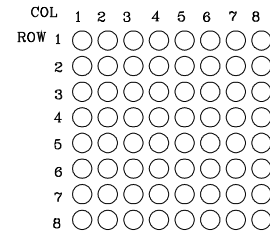
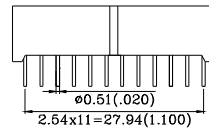
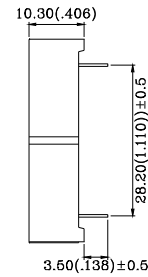
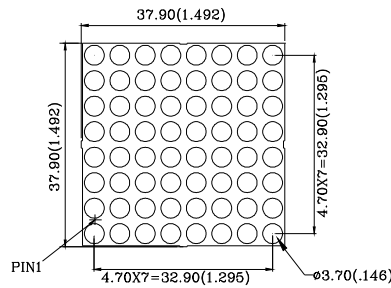
A-3880EG



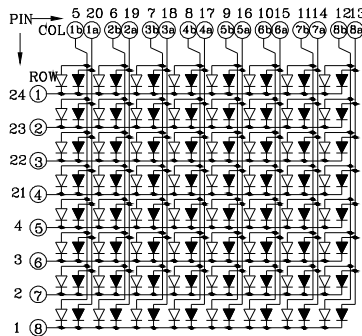
a for Hi.effi Red color chip
 b for Yellow Green color chip

Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-3880EG	MKC30EG062G	A-3880EG	MKA30EG061G	GaAsP	Orange	628	2.1	2.8	3.0
				GaP	Yellow Green	570	2.2	2.8	2.8

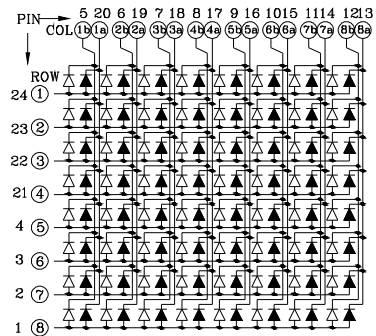
C/A-4880EG -1.5 INCH,8x8 DOT MATRIX DISPLAY(MULTI-COLOR)



C-4880EG



A-4880EG

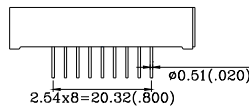
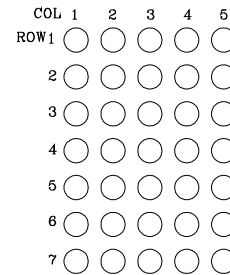
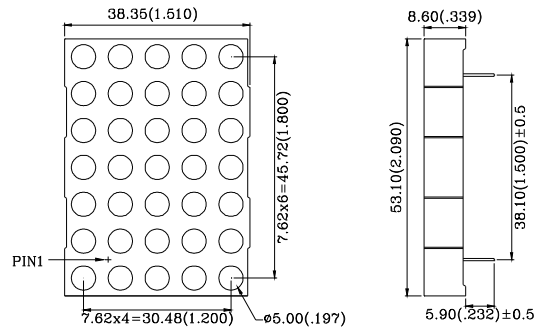
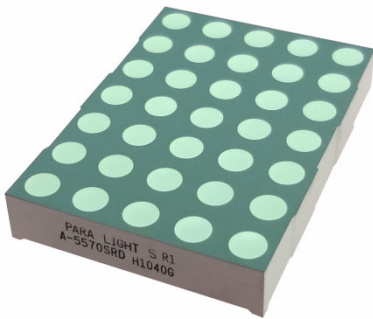


a for Hi.effi Red color chip
 b for Yellow Green color chip

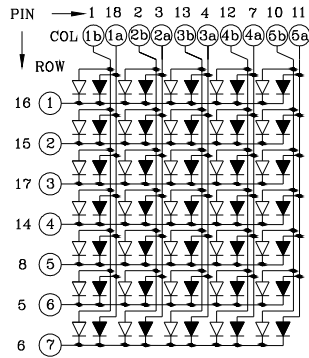
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-4880EG	MKC40EG060G	A-4880EG	MKA40EG059G	GaAsP	Orange	628	2.1	2.8	3.6
				GaP	Yellow Green	570	2.2	2.8	3.4

C/A-5570EG -2.0 INCH,5x7 DOT MATRIX DISPLAY(MULTI-COLOR)

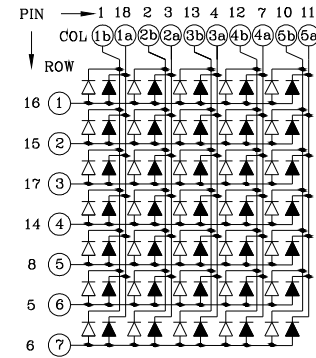
DISPLAY



C-5570EG



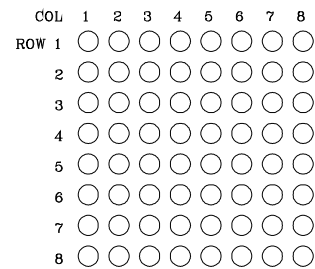
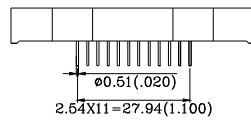
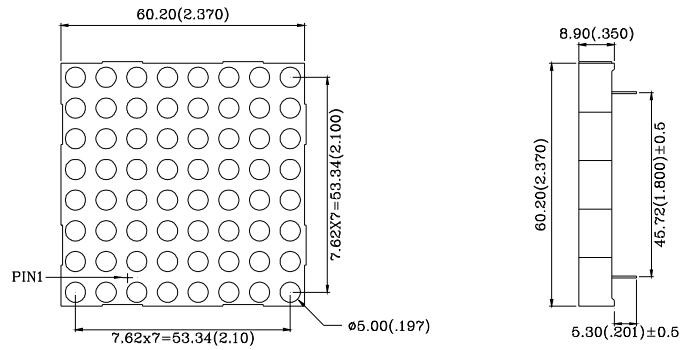
A-5570EG



a for Hi.effi Red color chip
 b for Yellow Green color chip

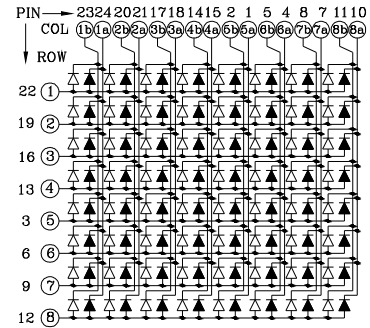
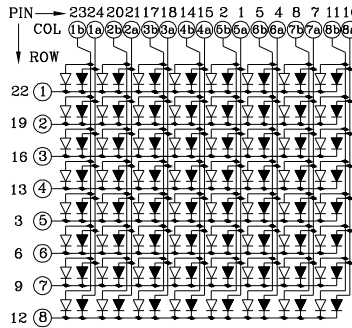
Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-5570EG	MKC50EG058G	A-5570EG	MKA50EG057G	GaAsP	Orange	628	2.1	2.8	3.6
				GaP	Yellow Green	570	2.2	2.8	3.4

C/A-5880EG -2.4 INCH,5x8 DOT MATRIX DISPLAY(MULTI-COLOR)



C-5880EG

A-5880EG



a for Hi.effi Red color chip
 b for Yellow Green color chip

Common Cathode		Common Anode		Chip		Wave length λD (nm)	Electro-optical characteristics		
Part No	Ref. PN	Part No	Ref. PN	Raw Material	Emitted Color		VF(V)20mA		IV(mcd)10mA
							Typ.	Max.	Typ.
C-5880EG	MKC50EG056G	A-5880EG	MKA50EG055G	GaAsP	Orange	628	2.1	2.8	3.6
				GaP	Yellow Green	570	2.2	2.8	3.4