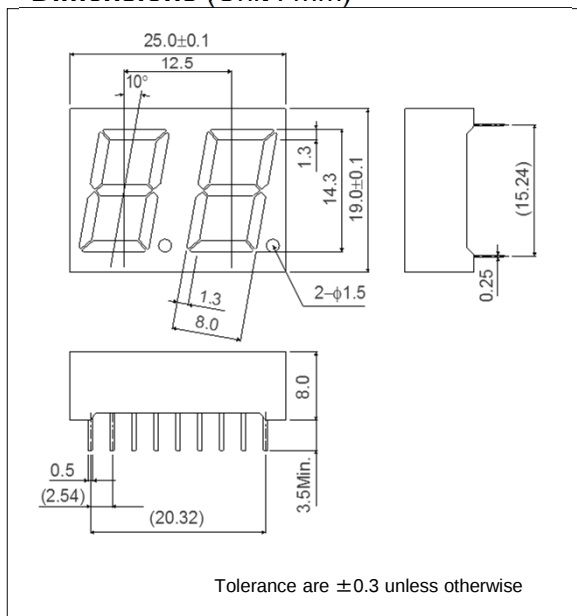


LB-602 A / K2 series is designed to use in the light. Materials of emission are GaAsP on GaP, AlGaInP GaP. This is the height of a letter 14.3mm, double digits LED Numeric Display that is packed by epoxy resin.

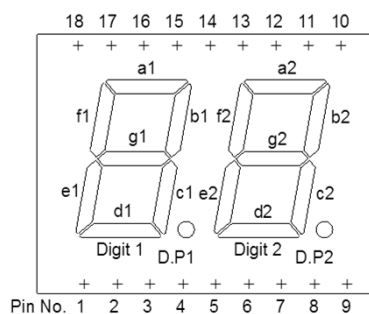
●Features

- 1) The height of a letter is 14.3mm.
- 2) Dimension is 25.0×19.0×8.0mm.
- 3) The package of surface color is black. Color of segment is colored in emitting color.
- 4) Each color has anode common and cathode common respectively.

●Dimensions (Unit : mm)



●Pin assignments



Pin No.	Function
1	Segment "e1"
2	Segment "d1"
3	Segment "c1"
4	D.P1
5	Segment "e2"
6	Segment "d2"
7	Segment "g2"
8	Segment "c2"
9	D.P2
10	Segment "b2"
11	Segment "a2"
12	Segment "f2"
13	Digit 2 Common
14	Digit 1 Common
15	Segment "b1"
16	Segment "a1"
17	Segment "g1"
18	Segment "f1"

●Selection guide

Emitting color	Red	Red (High brightness)	Orange (High brightness)	Yellow (High brightness) (NRND)	Green
Common					
Anode	LB-602VA2	LB-602AA2	LB-602EA2	LB-602XA2	LB-602MA2
Cathode	LB-602VK2	LB-602AK2	LB-602EK2	LB-602XK2	LB-602MK2

●Luminous intensity

Parameter	λ_p	Type	Min.	Typ.	Max.	Unit
Red	650	LB-602VA2	5.6	16	-	mcd
		LB-602VK2				
Red (High brightness)	626	LB-602AA2	36	90	-	mcd
		LB-602AK2				
Orange (High brightness)	610	LB-602EA2	36	90	-	mcd
		LB-602EK2				
Yellow (High brightness) (NRND)	589	LB-602XA2	36	90	-	mcd
		LB-602XK2				
Green	563	LB-602MA2	9	25	-	mcd
		LB-602MK2				

© Condition $I_F=10\text{mA}$

●Iv classification

Parameter	Type	Item	Iv classification	Unit
Red	LB-602VA2 LB-602VK2	“ L ”	5.6 to 11	mcd
		“ M ”	9.0 to 18	mcd
		“ N ”	14 to 28	mcd
		“ P ”	22 to 45	mcd
		“ Q ”	36 to (71)	mcd
Red (High brightness)	LB-602AA2 LB-602AK2	“ Q ”	36 to 71	mcd
		“ R ”	56 to 110	mcd
		“ S ”	90 to 180	mcd
		“ T ”	140 to 280	mcd
		“ U ”	220 to (450)	mcd
Orange (High brightness)	LB-602EA2 LB-602EK2	“ Q ”	36 to 71	mcd
		“ R ”	56 to 110	mcd
		“ S ”	90 to 180	mcd
		“ T ”	140 to 280	mcd
		“ U ”	220 to (450)	mcd
Green	LB-602MA2 LB-602MK2	“ M ”	9.0 to 18	mcd
		“ N ”	14 to 28	mcd
		“ P ”	22 to 45	mcd
		“ Q ”	36 to 71	mcd
		“ R ”	56 to (110)	mcd

© Condition $I_F=10\text{mA}$

●Electrical and optical characteristics curves

Fig.1 Forward Current vs. Forward Voltage

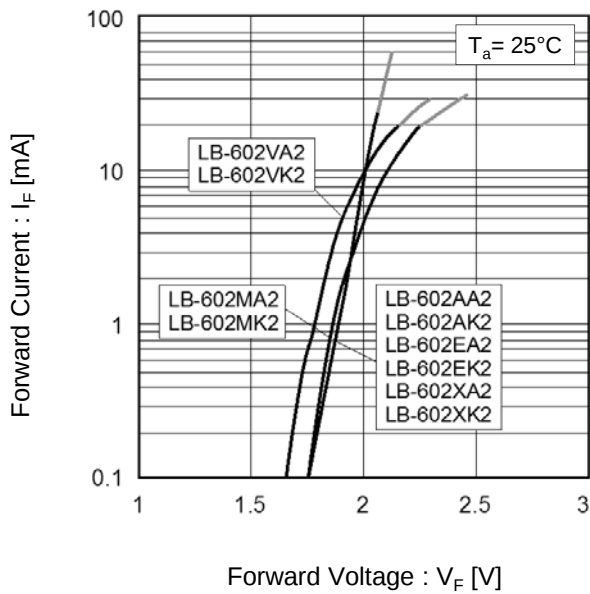


Fig.2 Relative Luminous Intensity vs. Forward Current

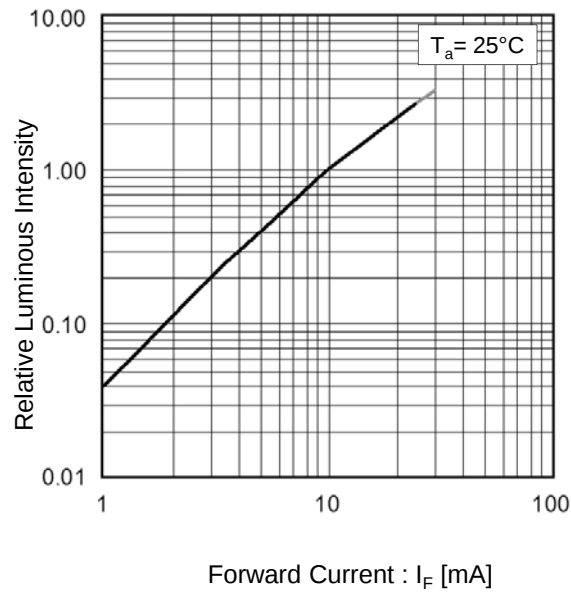


Fig.3 Relative Luminous Intensity vs. Case Temperature

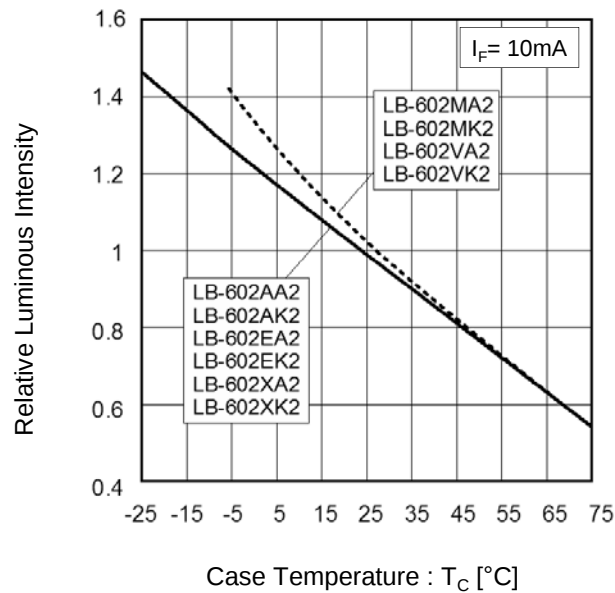
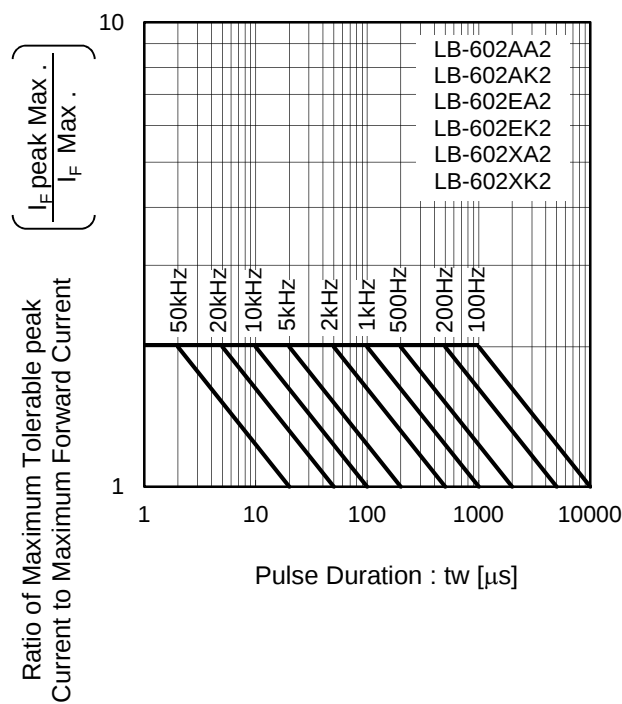


Fig.4 Ratio of Maximum Tolerable Peak Current vs. Pulse Duration



●Electrical and optical characteristics curves

Fig.5 Ratio of Maximum Tolerable Peak Current vs. Pulse Duration

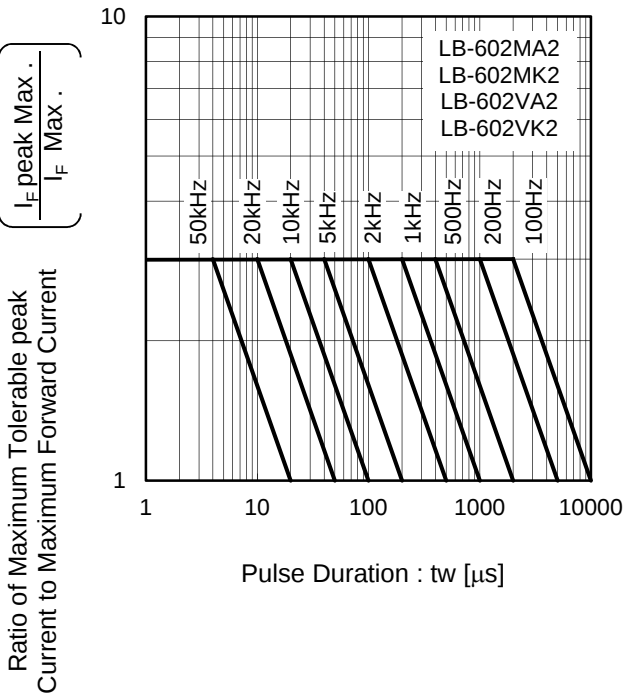
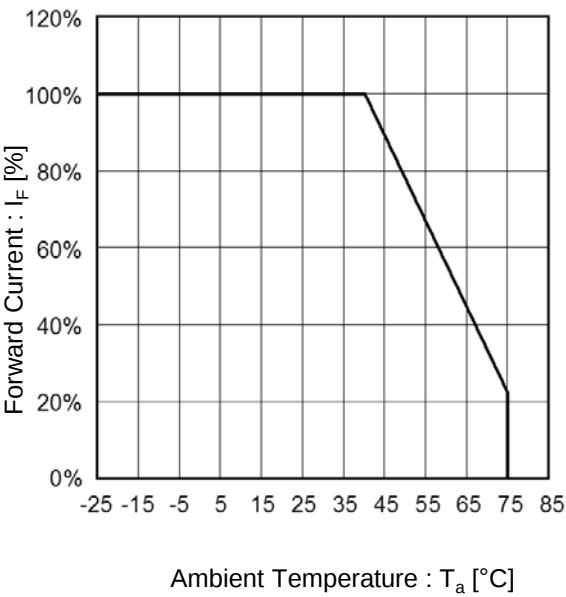


Fig.6 Derating



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