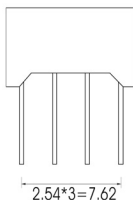
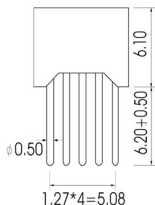
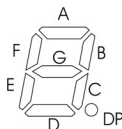
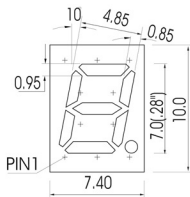


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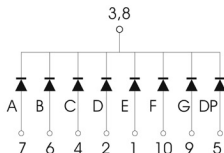
Ultra Bright RED

Features

- 0.28 inch digit height
- Low power requirement
- I.C. Compatible
- Easy assembly
- RoHs compliant
- Wide viewing angle
- End stackable
- Gray surface
- White segments
- Common Cathode



CODE D



Code:A Ultra Bright Red (AlGaInP)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage (Per dice)	Vf	If=20mA	1.70		2.2	V
Reverse Voltage (Per dice)	Vr	Ir=10uA		5		V
Luminous Intensty (Per dice)	Iv	If=20mA	30		40	mcd
Spectrum Width Of Half Value	Δλ	If=20mA		22		nm
Wavelength	λ	If=20mA	643		646	nm
Peak Forward Current (Per dice) 1/10 Duty Cycle,0.1ms Pulse	Ifp	70				mA
Operating Temperature Range	Topr	- 35 ℃ to 85 ℃				
Storage Temperature Range	Tstg	- 35 ℃ to 85 ℃				
Solder Temperature 1.5mm below seating plane for 3 Seconds at 260 ℃						

Absolute Maximum Rating at T_a=25°C

Fig.1

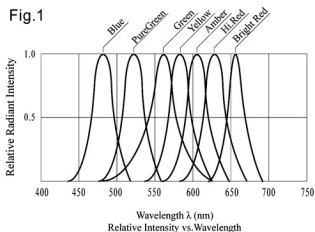


Fig.2

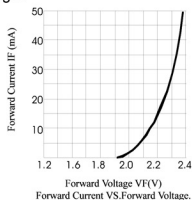


Fig.3

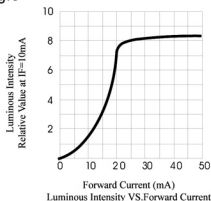
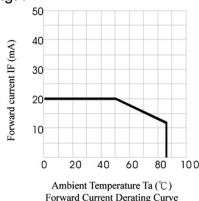
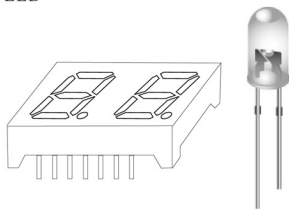
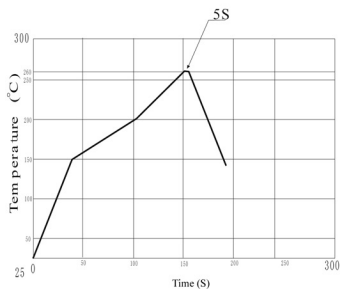


Fig.4



Wave Soldering for Lead-Free Through-hole LED

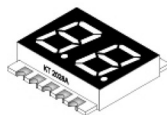
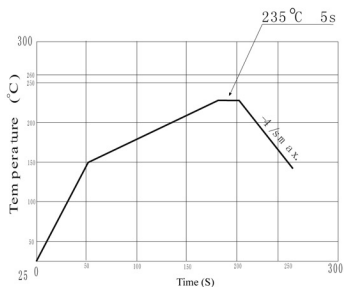


1.5mm below package base

Solder Temperature

260°C for 5 Seconds

Lead-free SMT process



Lead solder Temperature

235°C for 5 Seconds

Notes: Recommend the wave temperature max. 235°C.

Do not apply stress on the epoxy when temperature over 80°C.

No more than once.