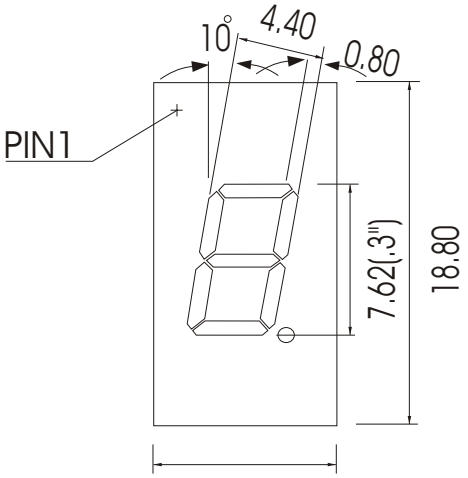
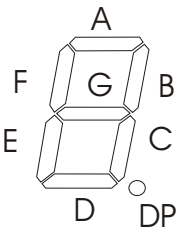
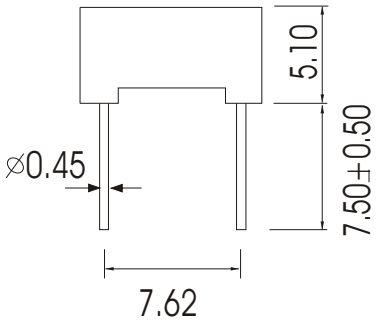
KOUHI

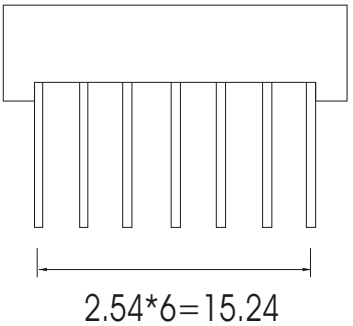
PACKAGE DIMENSION INTERNAL CIRCUIT DIAGRAM

KT10304AI0B





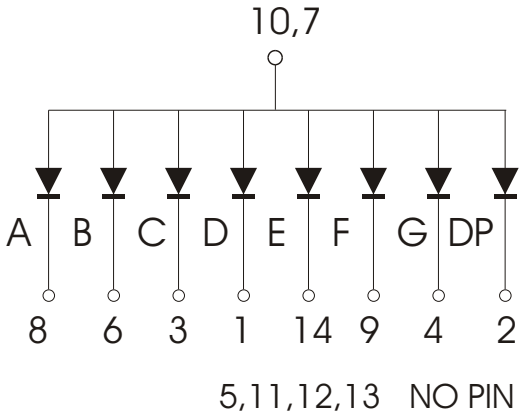




Features

- 0.30 inch digit height
- Low power requirement
- I.C. Compatible
- Easy assembly
- RoHs compliant
- Wide viewing angle
- End stack able
- Gray surface
- White segments
- Common Anode

CODE A



Notes: 1. All dimensions are in millimeter (inches), tolerance is 0.25mm unless otherwise noted.
2. Specifications are subject to change without notice.

KOUHI

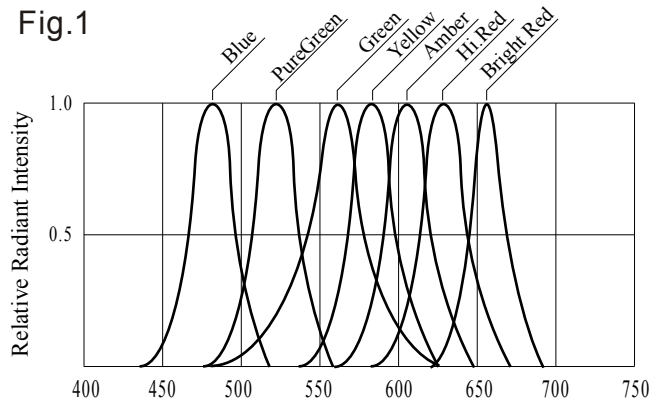
Electrical / Optical Characteristic

Code:I Yellow (AlGaInP)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage (Per dice)	Vf	If=20mA	1.8		2.3	V
Reverse Voltage (Per dice)	Vr	Ir=10uA		5		V
Luminous Intensty (Per dice)	Iv	If=20mA		50		mcd
Spectrum With Of Half Value	△λ	If=20mA		30		nm
Wavelength	Dλ	If=20mA	585		590	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 ℃						

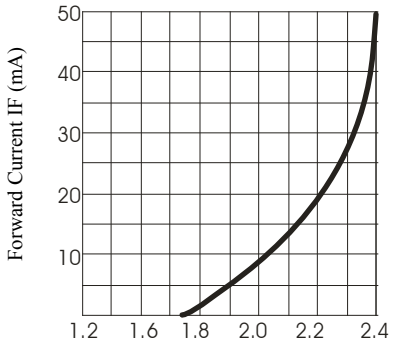
Absolute Maximum Rating at Ta=25℃

Fig.1



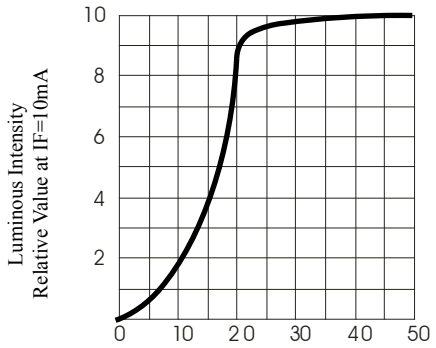
Relative Intensity vs.Wavelength

Fig.2



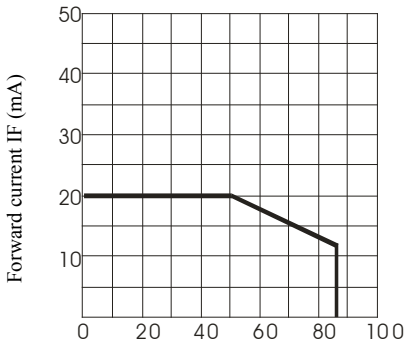
Forward Current VS.Forward Voltage.

Fig.3



Luminous Intensity VS.Forward Current

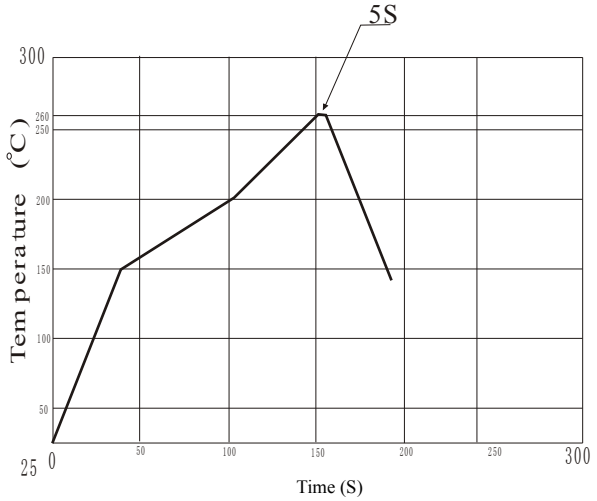
Fig.4

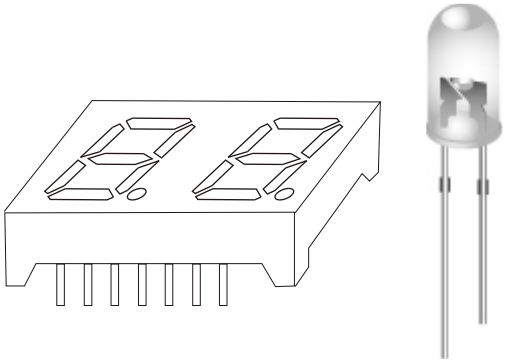


Forward Current Derating Curve

Notes: 1. All dimensions are in millimeter (inches) , tolerance is 0.25 unless otherwise noted.
2.Specifications are subject to change without notice.

Wave Soldering for Lead-Free Through-hole LED

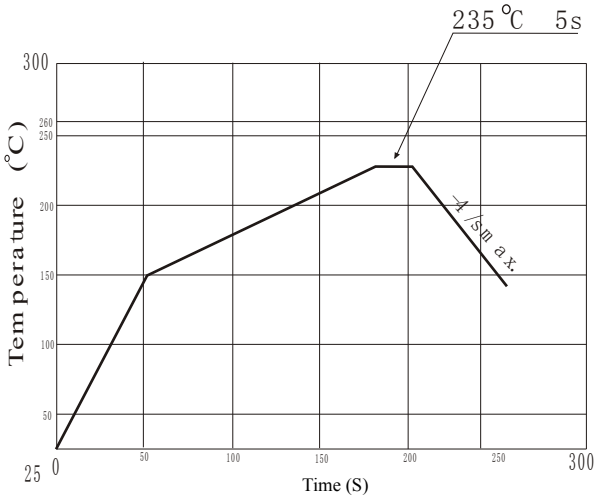


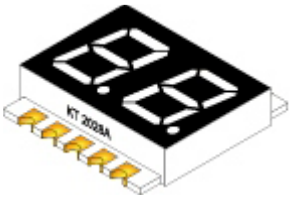


1.5mm below package base

Solder Temperature	260℃ for 5 Seconds

Lead-free SMT process





Lead solder Tempe rature	235℃ for 5 Seconds

Notes: Recommend the wave temperature max. 235 ℃.
Do not apply stress on the epoxy when temperature over 80 ℃.
No more than once.