

CL120TR3B

Hi-Eff Red

3mm, Flanged Cylindrical, 6.1mm Height
130° viewing angle

PRELIMINARY

DWG BY:
BL / JG
06-18-13

CHK BY:

QA:

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MFG:

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REVISION LTR: -

Drawing number to be determined.

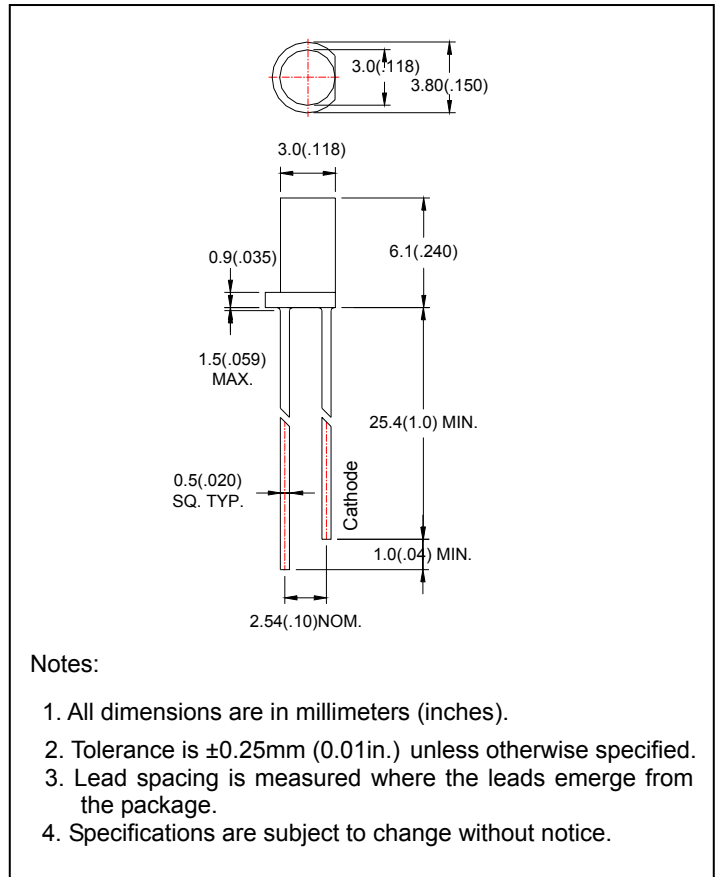
● **Features:**

1. Chip material: GaAsP/GaP
2. Emitted color : Red
3. Lens Appearance : Red Diffused
4. Cylindrical shape.
5. Low power consumption.
6. Compatible
7. Long life solid state reliability.
8. This product is RoHS compliant.

● **Applications:**

1. TV set
2. Monitor
3. Telephone
4. Computer
5. Circuit board

● **Package dimensions:**



PRELIMINARY

● **Absolute Maximum Ratings(Ta=25°C)**

Parameter	Symbol	Rating	Unit
Power Dissipation	Pd	100	mW
Forward Current	I _F	30	mA
Peak Forward Current* ¹	I _{FP}	150	mA
Reverse Voltage	V _R	5	V
Operating Temperature	Topr	-40°C~80°C	
Storage Temperature	Tstg	-40°C~85°C	
Soldering Temperature	Tsol	260°C (for 5 seconds)	

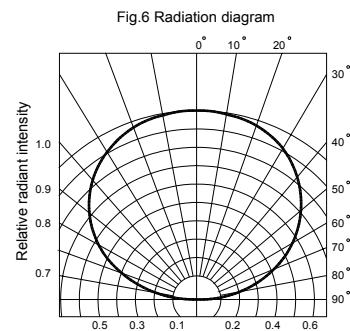
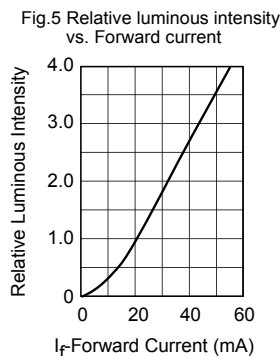
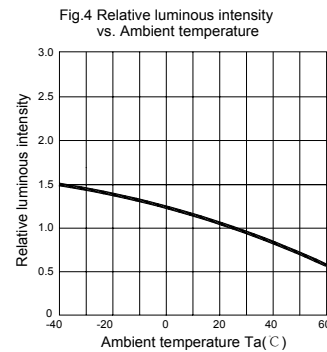
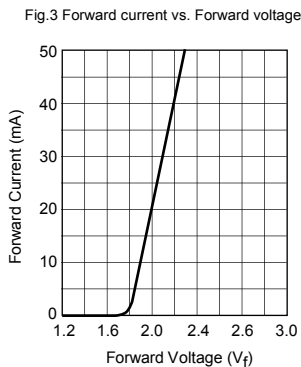
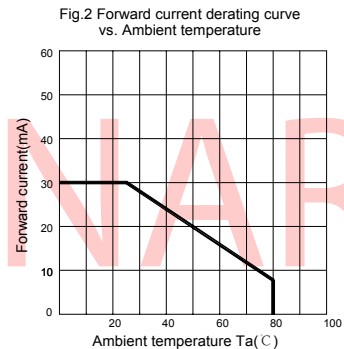
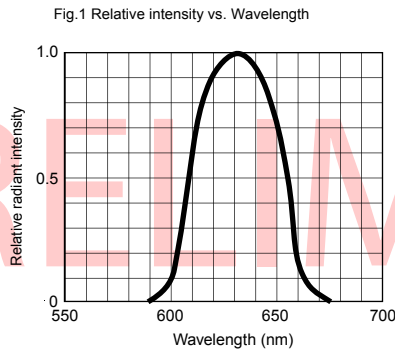
*¹Condition for I_{FP} is pulse of 1/10 duty and 0.1msec width.

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● **Electrical and optical characteristics(Ta=25°C)**

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V _F	I _F =20mA	-	2.0	2.6	V
Luminous Intensity	I _v	I _F =20mA	-	4.0	7.0	mcd
Reverse Current	I _R	V _R =5V	-	-	100	μA
Peak Wave Length	λ _p	I _F =20mA	-	635	-	nm
Dominant Wave Length	λ _d	I _F =20mA	-	626	-	nm
Spectral Line Half-width	Δλ	I _F =20mA	-	45	-	nm
Viewing Angle	2θ _{1/2}	I _F =20mA	-	130	-	deg
Radiant Intensity		I _F =20mA	-	-	-	mW/sr
Chromaticity Coordinates	X	I _F =20mA	-	0.70	-	
	Y		-	0.29	-	

● **Typical Electro-Optical Characteristics Curves**



Drawing number to be determined.