

CL120TWRG4B-3C

Hi-Eff Red/Hi-Eff Green

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

DWG BY:
BL / GP
11-06-06

CHK BY:
PL
08-08-07

QA:

__-__-__

MFG:

__-__-__

REVISION LTR: -

08-08-07

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

| Parameter | Symbol | Condition | Color | Min. | Typ. | Max. | Unit |
|--------------------------|-------------------|----------------------|----------------------------|--------|------------|------------|------|
| Forward Voltage | V _F | I _F =20mA | Hi-Eff Red Hi-Eff Green | - | 2.0 2.2 | 2.6 2.6 | V |
| Luminous Intensity | I _v | I _F =20mA | Hi-Eff Red Hi-Eff Green | - | 4.5 6.5 | - | mcd |
| Reverse Current | I _R | V _R =5V | Hi-Eff Red Hi-Eff Green | - | - | 100 | μA |
| Peak Wave Length | λ _p | I _F =20mA | Hi-Eff Red Hi-Eff Green | - | 646 565 | - | nm |
| Dominant Wave Length | λ _d | I _F =20mA | Hi-Eff Red Hi-Eff Green | - - | 632 571 | - - | nm |
| Spectral Line Half-width | Δλ | I _F =20mA | Hi-Eff Red Hi-Eff Green | - - | 43 30 | - - | nm |
| Viewing Angle | 2θ _{1/2} | I _F =20mA | Hi-Eff Red Hi-Eff Green | - | 130 | - | deg |
| Chromaticity Coordinates | X | I _F =20mA | Hi-Eff Red | - | 0.71 | - | |
| | Y | | | | 0.29 | | |
| Chromaticity Coordinates | X | I _F =20mA | Hi-Eff Green | - | 0.45 | - | |
| | Y | | | | 0.54 | | |

● **Typical Electro-Optical Characteristics Curves**

Fig.1 Relative intensity vs. Wavelength

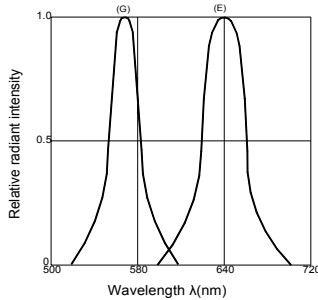


Fig.2 Forward current derating curve vs. Ambient temperature

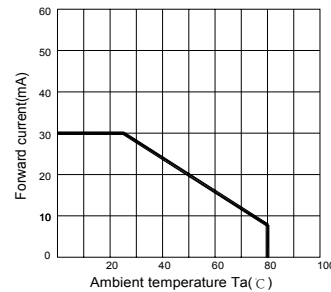


Fig.3 Forward current vs. Forward voltage

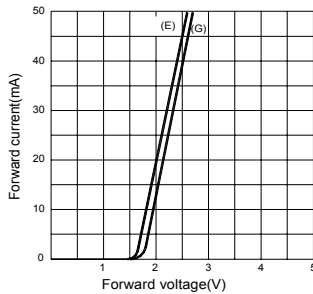


Fig.4 Relative luminous intensity vs. Ambient temperature

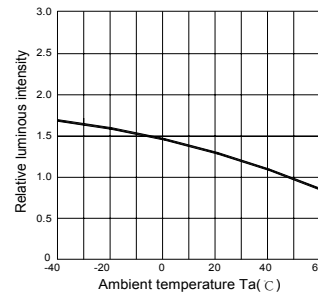


Fig.5 Relative luminous intensity vs. Forward current

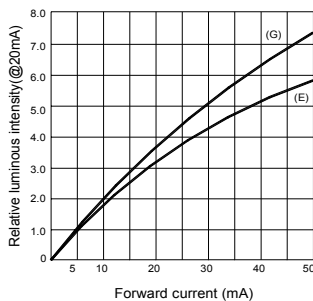


Fig.6 Radiation diagram

