

L200TWRG4B-3A

Hi-Eff Red/Green

5mm, Flanged Cylindrical, 8.6mm Height
50° viewing angle

DWG BY:

BL / GP

09-24-07

CHK BY:

PL

05-02-08

QA:

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MFG:

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REVISION LTR: -

05-02-08

● **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	-	11 22	-	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	- -	642 565	- -	nm
Dominant Wave Length	λ _d	I _F =20mA	Hi-Eff Red Hi-Eff Green	- -	625 572	- -	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	-	50	-	deg
Chromaticity Coordinates	X	I _F =20mA	Hi-Eff Red	-	0.70	-	
	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

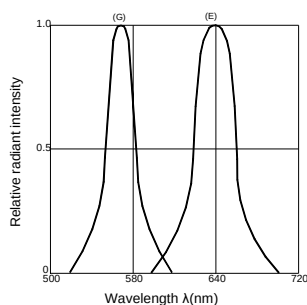


Fig.2 Forward current derating curve vs. Ambient temperature

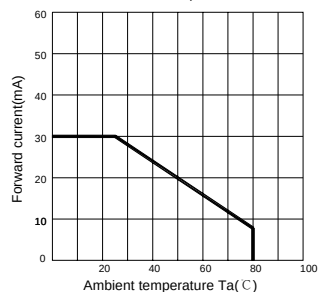


Fig.3 Forward current vs. Forward voltage

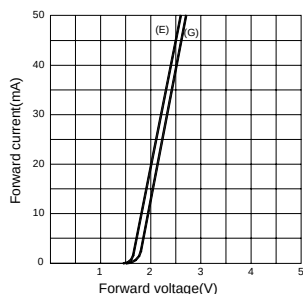


Fig.4 Relative luminous intensity vs. Ambient temperature

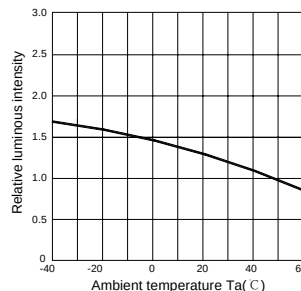


Fig.5 Relative luminous intensity vs. Forward current

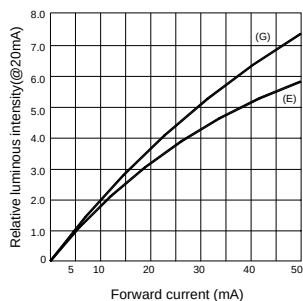


Fig.6 Radiation diagram

