

BRIGHT LED ELECTRONICS CORP.

BL-B5134-AT

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

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F=20\text{mA}$	-	2.3	2.6	V
Luminous Intensity	I_v	$I_F=20\text{mA}$	-	3.0	-	mcd
Reverse Current	I_R	$V_R=5\text{V}$	-	-	100	μA
Peak Wave Length	λ_p	$I_F=20\text{mA}$	-	700	-	nm
Dominant Wave Length	λ_d	$I_F=20\text{mA}$	-	650	-	nm
Spectral Line Half-width	$\Delta\lambda$	$I_F=20\text{mA}$	-	100	-	nm
Viewing Angle	$2\theta_{1/2}$	$I_F=20\text{mA}$	-	35	-	deg

● Typical electro-optical characteristics curves

Fig.1 Relative intensity vs. Wavelength

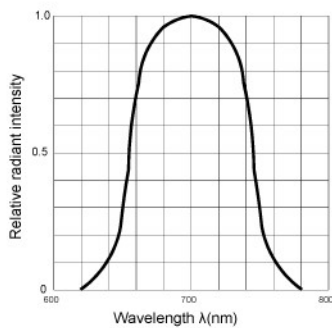


Fig.2 Forward current derating curve vs. Ambient temperature

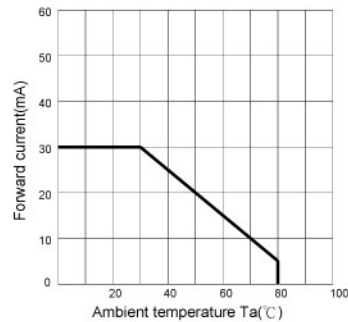


Fig.3 Forward current vs. Forward voltage

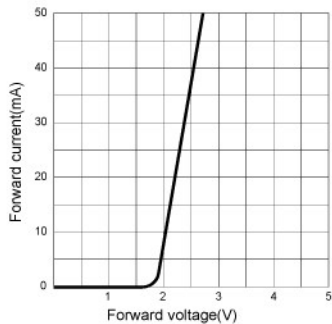


Fig.4 Relative luminous intensity vs. Ambient temperature

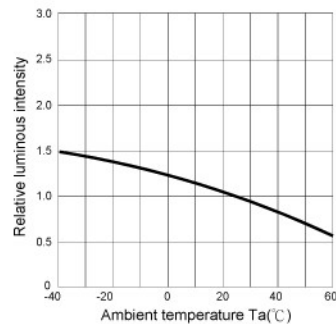


Fig.5 Relative luminous intensity vs. Forward current

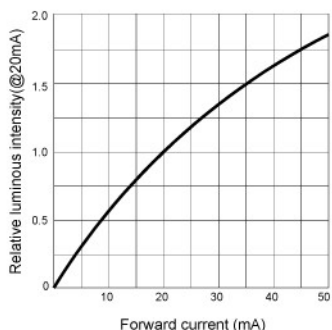


Fig.6 Radiation diagram

