



Notes:

1. Dimensions in mm
2. General Tolerances ± 0.20
3. Compatible to IR reflow soldering.
4. Pb free, ROHS Compliant
5. Built-in protection diode for ESD protection
6. Low thermal resistance $R_{th(j-s)}=18$ K/W
7. Silicone Resin Encapsulant
8. Class1M LED products. Do not view directly with optical instrument.

Optical and Electrical Characteristics ($I_F=350mA$ $T_a=25^\circ C$)

Colour	Luminous Flux Typ (lm)	Luminous Intensity ⁹			Forward Voltage ¹⁰		Viewing Angle
		Min.	Typ.	Max.	Min.	Typ.	
White	52	35500	42000	56000	V_F (V)		$2\theta_{1/2}$ 60°

Notes:

9. Luminous intensity is measured with an accuracy of $\pm 11\%$
10. Forward voltage, V_f is measured with an accuracy of $\pm 0.1V$

Absolute Maximum Ratings

	Maximum Value	Unit
DC forward current.	350	mA
Peak pulse current	1000	mA
Reverse voltage.	Not designed for reverse bias	
LED junction temperature.	125	°C
Operating temperature.	-40 ... +100	°C
Storage temperature.	-40 ... +100	°C
ESD Threshold	2000	V

Radiation pattern.

