

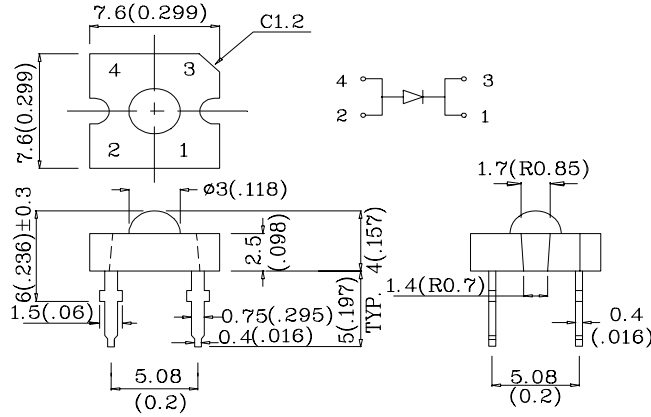
7.6mmX7.6mm SUPER FLUX LED LAMP



Email : sales@us.sunled.com
Web Site : www.sunled.com

XSSG83W

www.DataSheet4U.com



Notes:

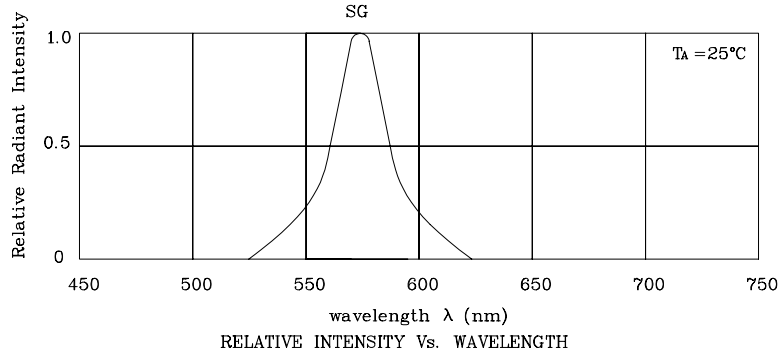
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.

| Absolute maximum ratings ($T_A=25^{\circ}\text{C}$) | | SG (InGaAlP) | Unit |
|---------------------------------------------------------------|--------------------------------------|-----------------|--------------------|
| Reverse voltage | V_R | 5 | V |
| Forward current | I_F | 30 | mA |
| Forward current (peak) 1/10Duty cycle 0.1ms pulse width | i_{FS} | 150 | mA |
| Power dissipation | P_T | 105 | mW |
| Operating temperature | T_A | -40 ~ +85 | $^{\circ}\text{C}$ |
| Storage temperature | T_{stg} | | |
| Lead solder temperature [2mm below package base] | 260 $^{\circ}\text{C}$ For 5 Seconds | | |

| Operating Characteristics ($T_A=25^{\circ}\text{C}$) | | SG (InGaAlP) | Unit |
|-------------------------------------------------------------|------------------|-----------------|---------------|
| Forward voltage (typ.) ($I_F=20\text{mA}$) | V_F | 2.1 | V |
| Forward voltage (max.) ($I_F=20\text{mA}$) | V_F | 2.5 | V |
| Reverse current ($V_R=5\text{V}$) | I_R | 10 | μA |
| Wavelength at peak emission ($I_F=20\text{mA}$) | λ_{peak} | 574 | nm |
| Wavelength at Dominate emission ($I_F=20\text{mA}$) | λ_D | 568 | nm |
| Spectral Line half-width ($I_F=20\text{mA}$) | $\Delta\lambda$ | 26 | nm |
| Capacitance ($V_F=0\text{V}$, $f=1\text{MHz}$) | C | 20 | pF |

| Part Number | Emitting Color | Emitting Material | Lens-color | Luminous Intensity ($I_F=20\text{mA}$ *70mA) mcd | | Wavelength nm λ_P | Viewing Angle $2\theta_{1/2}$ |
|-------------|----------------|-------------------|-------------|---------------------------------------------------------|-------------|---------------------------------|----------------------------------|
| | | | | min. | typ. | | |
| XSSG83W | Green | InGaAlP | Water Clear | 180 *480 | 295 *895 | 574 | 70 $^{\circ}$ |

XSSG83W



◆SG

