

3.65x6.15mm SINGLE CHIP LED LIGHT BAR

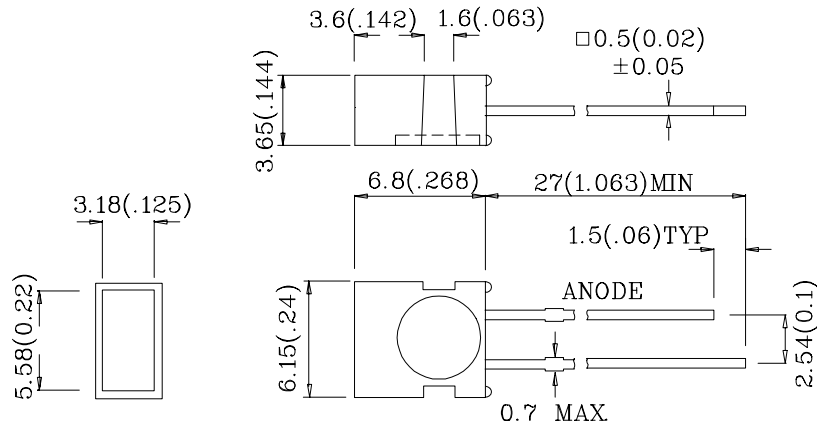


SUN LED

XEMG21D

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Notes:

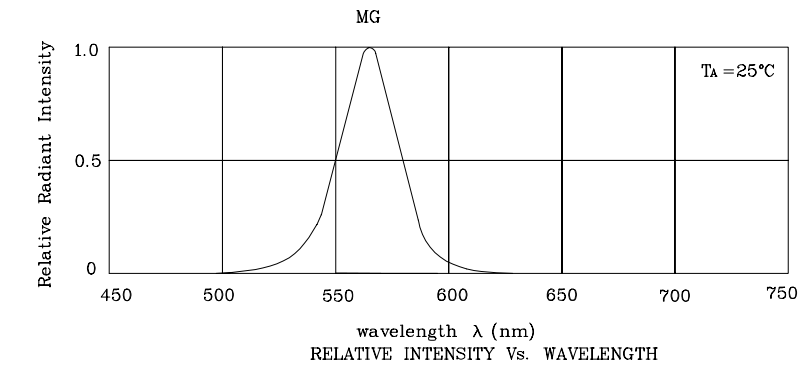
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01)$ unless otherwise noted.

| Absolute maximum ratings (T _A =25°C) | | MG (GaP) | Unit |
|---|---------------------|-------------|------|
| Reverse voltage | V _R | 5 | V |
| Forward current | I _F | 25 | mA |
| Forward current (peak) 1/10Duty cycle 0.1ms pulse width | i _{FS} | 140 | mA |
| Power dissipation | P _T | 105 | mW |
| Operating temperature | T _A | -40 ~ +85 | °C |
| Storage temperature | T _{stg} | | |
| Lead solder temperature [2mm below package base] | 260°C For 5 Seconds | | |

| Operating Characteristics ($T_A=25^\circ\text{C}$) | | MG (GaP) | Unit |
|---|------------------|-------------|---------------|
| Forward voltage (typ.) ($I_F=20\text{mA}$) | V_F | 2.2 | 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} | 565 | nm |
| Wavelength at Dominate emission ($I_F=20\text{mA}$) | λ_D | 568 | nm |
| Spectral Line half-width ($I_F=20\text{mA}$) | $\Delta\lambda$ | 30 | nm |
| Capacitance ($V_F=0\text{V}$, $f=1\text{MHz}$) | C | 15 | pF |

| Part Number | Emitting Color | Emitting Material | Lens-color | Luminous Intensity ($I_F=20\text{mA}$) mcd min. typ. | | Wavelength nm λ_P | Viewing Angle 2 θ 1/2 |
|----------------|-------------------|----------------------|----------------|---|---|---------------------------------|------------------------------------|
| XEMG21D | Green | GaP | Green Diffused | 5 | 9 | 565 | 100 $^\circ$ |

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◆MG

