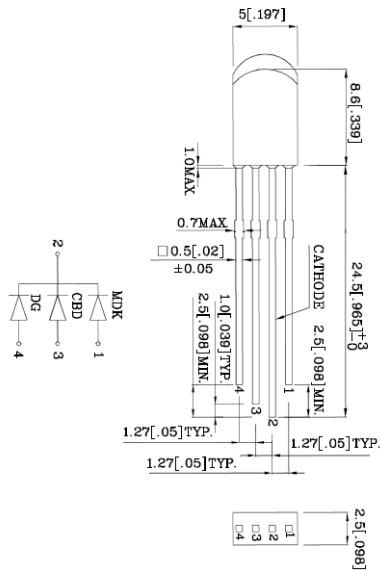


Package Dimensions

P/N: E17A4-RGBK
2.5x5mm RECTANGULAR LED LAMP



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01)$ " unless otherwise noted.
3. Lead spacing is measured where the lead emerge package.
4. Specifications are subject to change without notice.

| Emitting Color | Emitting Material | Lens-color | Luminous Intensity (IF=20mA) mcd | | Wavelength nm λP | Viewing Angle $2\theta 1/2$ |
|----------------|-------------------|-------------|-------------------------------------|------|---------------------------------|--------------------------------|
| | | | min. | typ. | | |
| Red | AlGaInP | Water Clear | 70 | 198 | 650 | 40° |
| Blue | InGaN | | 110 | 297 | 468 | |
| Green | InGaN | | 280 | 695 | 515 | |

| Absolute Maximum Ratings (TA=25°C) | | | | | | Operating Characteristics (TA=25°C) | | | | | |
|--|---------------------|----------------|--------------|-------------|------|---|-----------------|--------------|-------------|------|----|
| | | MDK (AlGa InP) | CBD (InGa N) | DG (InGa N) | Unit | | MDK (AlGa InP) | CBD (InGa N) | DG (InGa N) | Unit | |
| Reverse Voltage | VR | 5 | 5 | 5 | V | Forward Voltage (Typ.) (IF=20mA) | VF | 1.95 | 3.3 | 3.3 | V |
| Forward Current | IF | 30 | 30 | 25 | mA | Forward Voltage (Max.) (IF=20mA) | VF | 2.5 | 4.0 | 4.1 | V |
| Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width | iFS | 185 | 150 | 150 | mA | Reverse Current (Max.) (VR=5V) | IR | 10 | 10 | 10 | uA |
| Power Dissipation | PD | 75 | 120 | 102.5 | mW | Wavelength of Peak Emission (Typ.) (IF=20mA) | λP | 650 | 468 | 515 | nm |
| Operating Temperature | TA | -40 ~ +85 | | | °C | Wavelength of Dominant Emission (Typ.) (IF=20mA) | λD | 630 | 470 | 525 | nm |
| Storage Temperature | Tstg | -40 ~ +85 | | | | Spectral Line Full Width At Half-Maximum (Typ.) (IF=20mA) | $\Delta\lambda$ | 28 | 25 | 30 | nm |
| Lead Solder Temperature [2mm Below Package Base] | 260°C For 3 Seconds | | | | | Capacitance (Typ.) (VF=0V, f=1MHz) | C | 35 | 100 | 45 | pF |
| Lead Solder Temperature [5mm Below Package Base] | 260°C For 5 Seconds | | | | | | | | | | |