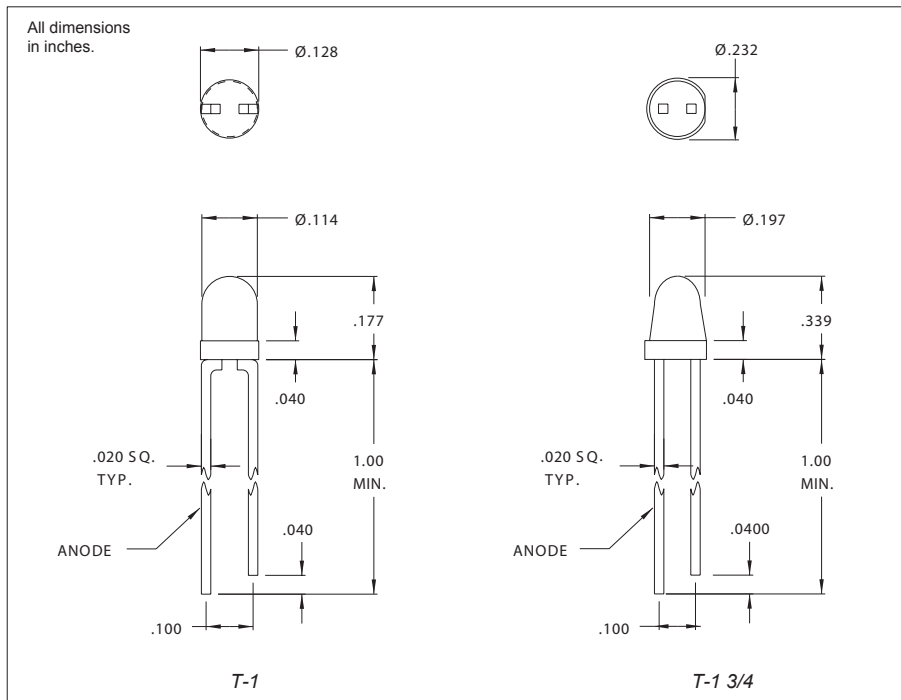


T-1 and T-1 3/4 Blue LED Lamps

Description and Features



These revolutionary new LED lamps emit a true blue color (430 nm) for those design engineers looking for that fourth status color. Lamps are manufactured with state of the art Silicon Carbide (SiC) technology.

LED lamps are available in both T-1 and T-1 3/4 package sizes, in both diffused and non-diffused lens types.

Electro-Optical Characteristics and Ratings

| PART NUMBER | T-1 | | T-1 3/4 | |
|---|------------|--------------|--------------|--------------|
| | CMD264UBD | CMD264UBC | CMD383UBC/H2 | CMD383UBC |
| Output Color | Blue | Blue | Blue | Blue |
| Diffusion | Diffused | Non-Diffused | Non-Diffused | Non-Diffused |
| Package Color | Blue | Clear | Clear | Clear |
| Test Current (mA) | 20 | 20 | 20 | 20 |
| Forward Voltage Typ. (V) | 4.9 | 4.9 | 4.9 | 4.9 |
| Forward Voltage Max. (V) | 5.5 | 5.5 | 5.5 | 5.5 |
| Luminous Intensity Min. (mcd) | 63 | 160 | 250 | 600 |
| Luminous Intensity Typ. (mcd) | 100 | 250 | 350 | 800 |
| Luminous Intensity Max. (mcd) | - | - | - | - |
| Peak Wavelength (nm) | 430 | 430 | 430 | 430 |
| Viewing Angle 2 θ 1/2 (degrees) | 45 | 30 | 24 | 12 |
| Power Dissipation (mW) | 98 | 98 | 98 | 98 |
| Operating Temperature ($^{\circ}$ C) | -20 to +80 | -20 to +80 | -20 to +80 | -20 to +80 |
| Storage Temperature ($^{\circ}$ C) | -20 to +80 | -20 to +80 | -20 to +80 | -20 to +80 |
| Peak Forward Current Max. (1 μ s @ 10% duty cycle) (mA) | 100 | 100 | 100 | 100 |
| Reverse Voltage (IR=100 μ A) (V) | 5 | 5 | 5 | 5 |
| Lead Solder Time @ 260 $^{\circ}$ C | 5 | 5 | 5 | 5 |