

Peak Emission Wavelength: 507nm

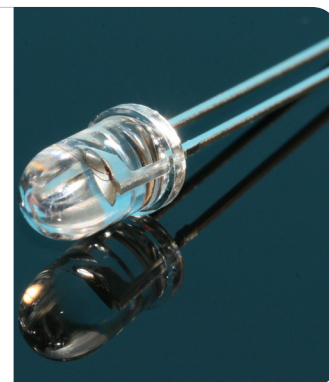
The MT5505-BG-15 is a visible blue green T 1 3/4, 5mm water clear LED designed for applications requiring uniformity and high luminous intensity packaged with straight leads.

FEATURES

- > Super Bright LED Lamp
- > High Luminous Intensity
- > Emitting Color: Blue Green

APPLICATIONS

- > Traffic Control Devices
- > Imaging Systems
- > Medical Equipment



Absolute Maximum Ratings (Ta=25°C)

| ITEMS | SYMBOL | RATINGS | UNIT |
|------------------------------|--------|------------|------|
| Forward Current | IF | 30 | mA |
| Peak Forward Current*1 | IFP | 100 | mA |
| Reverse Voltage | VR | 5.0 | V |
| Power Dissipation | PD | 120 | mW |
| Operating Temperature Range | Topr | -20 ~ +80 | °C |
| Storage Temperature Range | Tstg | -40 ~ +100 | °C |
| Lead Soldering Temperature*2 | Tls | 260 | °C |

*1: Test Conditions: 1/10 duty cycle @ 1KHZ. *2: Time 3 Sec max, Position: Up to 1.6mm from case.

Electrical & Optical Characteristics (Ta = 25°C)

| ITEMS | SYMBOL | CONDITIONS | MIN | TYP | MAX | UNIT |
|---------------------------|-------------------|------------|-------|-------|-----|------|
| Forward Voltage | VF | IF=20mA | -- | 3.2 | 3.8 | V |
| Reverse Current | IR | VR=5V | -- | -- | 10 | μA |
| Peak Emission Wavelength | λp | IF=20mA | -- | 507 | -- | nm |
| Dominant Wavelength | λD | IF=20mA | -- | 505 | -- | nm |
| Spectral Bandwidth at 50% | Δλ _{0.5} | IF=20mA | -- | 30 | -- | nm |
| Viewing Angle | Θ | IF=20mA | -- | 15 | -- | deg. |
| Luminous Intensity | Iv | IF=20mA | 10000 | 15000 | -- | mcd |

RADIATION

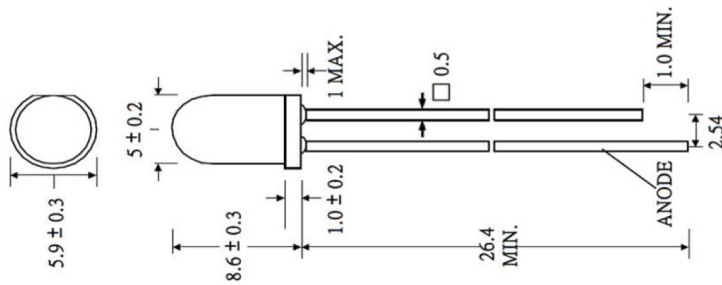
Blue Green

TYPE

InGaN

CASE

5mm Plastic Lens



Unit: mm