

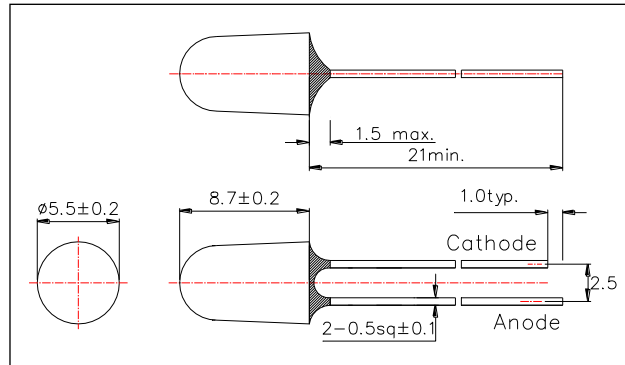
L555-06 Green LED Lamp

L555-06 is an GaP LED mounted on a lead frame with a clear epoxy resin. On forward bias, it emits a band of visible light that peaks 555nm.

<Specifications>

1. Product Name: Green LED Lamp
2. Type Number: L555-06
3. Chip:
 - Chip material: GaP
 - Peak Wavelength: 555nm typ.
4. Package
 - Type: Φ5mm Clear Molding
 - Resin Material: Epoxy Resin
 - Lead Frame: Soldered(Lead Free)

Outer Dimension (Unit:mm)



| Absolute Maximum Ratings | | | | |
|--------------------------|--------|---------------------|------|---------------|
| Item | Symbol | Maximum Rated Value | Unit | Ambient Temp. |
| Power Dissipation | PD | 130 | mW | Ta=25°C |
| Forward Current | IF | 30 | mA | Ta=25°C |
| Reverse Voltage | VR | 5 | V | Ta=25°C |
| Operating Temperature | TOPR | -30 ~ +85 | °C | |
| Storage Temperature | TSTG | -30 ~ +100 | °C | |
| Soldering Temperature* | TSOL | 265 | °C | |

* Soldering condition must be completed within 3 second at 265 °C.

| Electro-Optical Characteristics [Ta=25°C] | | | | | | |
|-------------------------------------------|--------|-----------|---------|---------|---------|------|
| Item | Symbol | Condition | Minimum | Typical | Maximum | Unit |
| Forward Voltage | VF | IF=20mA | | 2.2 | 2.4 | V |
| Reverse Current | IR | VR=5V | | | 10 | uA |
| Total Radiated Power* | PO | IF=20mA | | 0.05 | | mW |
| Brightness** | IV | IF=20mA | | 200 | | mcd |
| Peak Wavelength | λP | IF=20mA | 550 | 555 | 560 | nm |
| Half Width | Δλ | IF=20mA | | 25 | | nm |
| Viewing Half Angle | θ1/2 | IF=20mA | | ±6 | | deg |

* Measured by Photodyne #500

** Measured by Tektronix J-16

