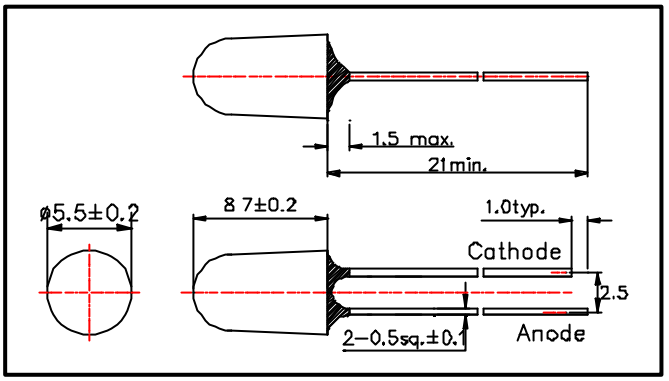
# L565-06U High Bright Green LED

L565-06U is a GaP LED mounted on a lead frame with a clear epoxy lens.
On forward bias it emits a band of visible light, which peaks 565nm.

Specifications

| | |
|---|---|
| 1) Product Name | Green LED Lamp |
| 2) Type No. | L565-06U |
| 3) Chip | |
| (1) Chip Material | GaP |
| (2) Peak Wavelength | 565nm typ. |
| 4) Package | |
| (1) Type | ϕ5mm clear molding |
| (2) Resin Material | Epoxy Resin |
| (3) Lead Frame | Soldered |

Outer dimension (Unit: mm)




Absolute Maximum Ratings

| Item | Symbol | Maximum Rated Value | Unit | Ambient Temperature |
|---|---|---|---|---|
| Power Dissipation | $P_D$ | 130 | mW | Ta=25°C |
| Forward Current | $I_F$ | 50 | mA | Ta=25°C |
| Reverse Voltage | $V_R$ | 5 | V | Ta=25°C |
| Operating Temperature | $T_{OPR}$ | -30 ~ +85 | °C | |
| Storage Temperature | $T_{STG}$ | -30 ~ +100 | °C | |
| Soldering Temperature | $T_{SOL}$ | 260 | °C | |

‡Soldering condition: Soldering condition must be completed within 3 seconds at 260°C

Electro-Optical Characteristics

| Item | Symbol | Condition | Minimum | Typical | Maximum | Unit |
|---|---|---|---|---|---|---|
| Forward Voltage | $V_F$ | $I_F$=20mA | | 2.2 | 2.4 | V |
| Reverse Current | $I_R$ | $V_R$=5V | | | 10 | uA |
| Total Radiated Power | $P_O$ | $I_F$=20mA | | 0.20 | | mW |
| Brightness | $I_V$ | $I_F$=20mA | | 1000 | | mcd |
| Radiant Intensity | $I_E$ | $I_F$=20mA | | 0.1 | | mW/sr |
| Peak Wavelength | $\lambda_P$ | $I_F$=20mA | 555 | 565 | 575 | nm |
| Half Width | $\Delta\lambda$ | $I_F$=20mA | | 25 | | nm |
| Viewing Half Angle | $\Theta_{1/2}$ | $I_F$=20mA | | ±6 | | deg. |

‡Brightness is measured byTektronix J-16.
‡Total Radiated Power is measured by Photodyne #500

EPITEX INC. : 4, Nishiaketa-Cho, Higashi-Kujyou, Minami-Ku, Kyoto, Japan
Tel.: ++81-75-682-2338 Fax: ++81-75-682-2267
e-mail: sales-dep@epitex.com http://www.epitex.com