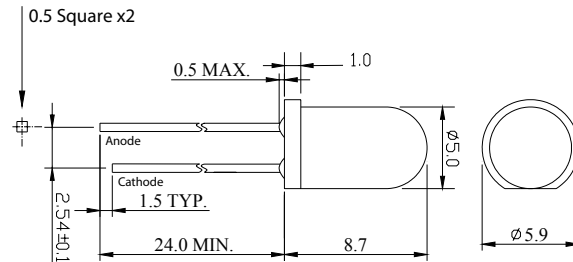


5.0mm Round InfraRed Lamp

OFL-51 Series

Features:

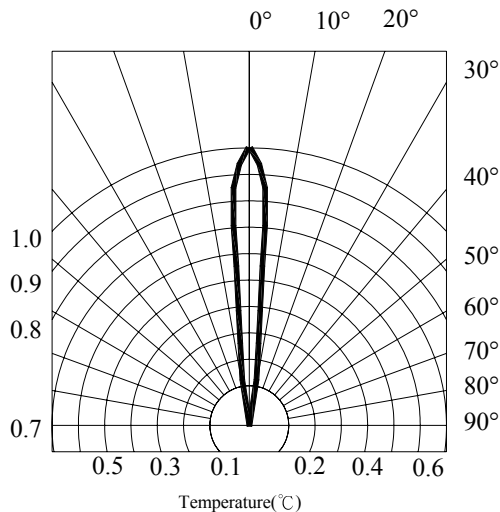
- Standard 5mm Package
- High Radiant Intensity
- Low Forward Voltage



Maximum Ratings at Ta=25°C

| | |
|---|------------------|
| Reverse Voltage (<math><100\mu A</math>) | 5.0V |
| D.C. Forward Current | 50mA |
| Pulse Current (Pulse Width of 0.1ms, 1/10 Duty Cycle) | 200mA |
| Operating Temperature Range | -25 to +85°C |
| Storage Temperature Range | -40 to +100°C |
| Soldering Temperature Dip Soldering | 260°C for 5 secs |
| Soldering Temperature Hand Soldering | 350°C for 3 secs |

Typical Electrical / Optical Characteristics Curves:



Electrical & Optical Characteristics at Ta=25°C

| Ant Part No. | Chip | | | Lens Colour | Dominant Wavelength (nm) at 20mA | Radiant Intensity (mW) at 20mA | | Forward Voltage (V) at 20mA | | Viewing Angle 2θ ^{1/2} (deg) |
|--------------|-------------|----------------|------------|-------------|----------------------------------|--------------------------------|------|-----------------------------|------|---------------------------------------|
| | Material | Emitted Colour | Brightness | | | min. | typ. | typ. | max. | |
| OFL-5102 | A1GaAs/GaAs | InfraRed | - | Water Clear | 940 | 7.0 | 15.0 | 1.25 | 1.5 | 10 |

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