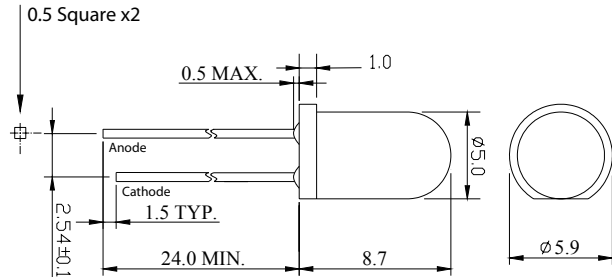


5.0mm Round InfraRed Lamp

OFL-51 Series

Features:

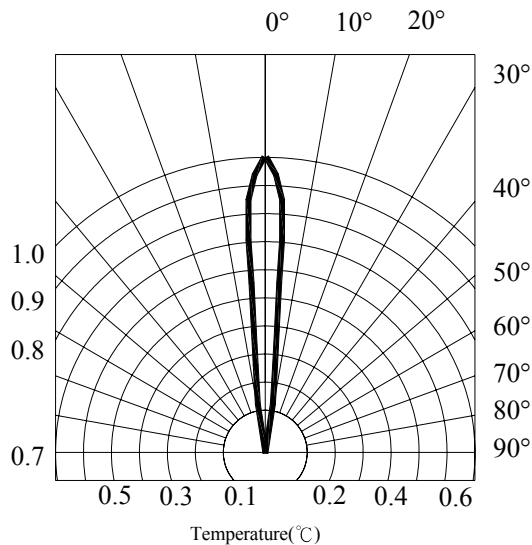
- Standard 5mm Package
- High Radiant Intensity
- Low Forward Voltage



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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