

Features

- Side-emitting plastic package with dome lens
- 940nm wavelength

Description

The SLED-56-16639 is a Gallium arsenide infrared emitter mounted in a side-emitting plastic water clear non-diffused package. The chip is positioned to direct the optical energy through the side of the mechanical axis of the device. The in-line beam angle provides high on-axis intensity for excellent coupling efficiency.

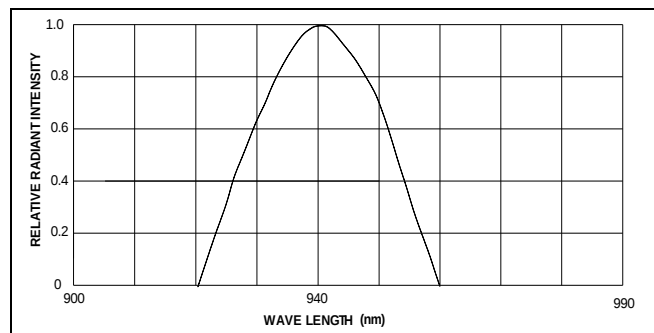
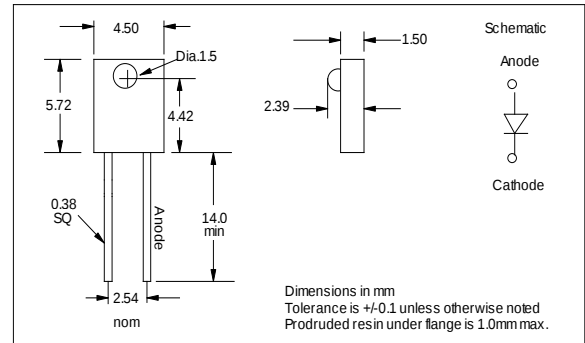
Absolute Maximum Ratings

Power Dissipation	75mW
Forward Current	40mA
Reverse Voltage	5V

Storage Temperature	-20 to +70°C
Operating Temperature	-25 to +80°C
Soldering Temperature (1)	260°C

Notes:

(1) 3mm from case for < 5 sec.



Electrical Characteristics (T_A=25°C unless otherwise noted)

Symbol	Parameter	Min	Typ	Max	Units	Test Conditions
E _e	Radiant Incidence	0.4	0.8		mW/cm ²	I _F = 20 mA
λ _P	Peak wavelength		940		nm	I _F = 20 mA
Δλ	Spectrum Bandwidth		50		nm	I _F = 20 mA
V _F	Forward Voltage		1.3	1.5	V	I _F = 20 mA
I _R	Reverse Current			10	μA	V _R = 5V
2θ _{1/2}	Emission angle		140		deg	I _F = 20 mA
V _{BR}	Reverse Breakdown Voltage	3.0			V	I _R =10μA

Specifications subject to change without notice.

REV 04/04-14