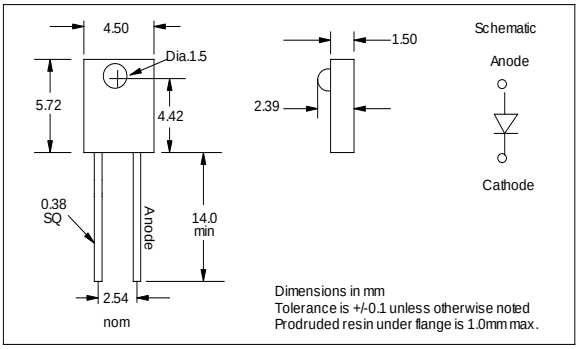
SLED-56-16639
IR Side Emitter

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

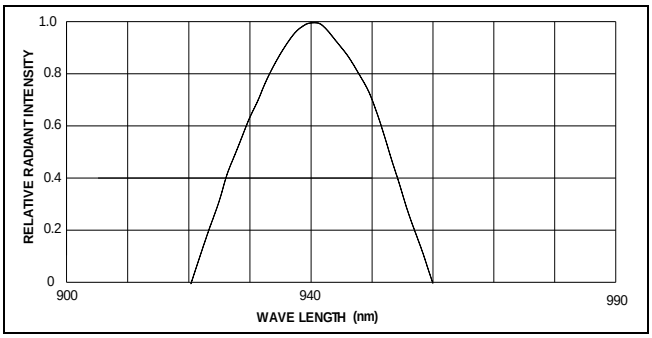
Description
The SLED-56-16639 is a Gallium arsenide infrared emitter mounted in a side-emitting plastic water clear non-diffused package. The chip is positioned to direct the optical energy through the side of the mechanical axis of the device. The in-line beam angle provides high on-axis intensity for 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
Ee	Radiant Incidance	0.4	0.8		mW/cm^2	I_F = 20 mA
λ_P	Peak wavelength		940		nm	I_F = 20 mA
$\Delta\lambda$	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
$2\theta_{1/2}$	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

Advanced Photonix Canada Inc.,
300 St-Sacrement
Suite 519
Montréal, QC, Canada H2Y 1X4

Phone:(514) 768-8000
Fax: (514) 768-8889
http://www.advancedphotonix.com