



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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.

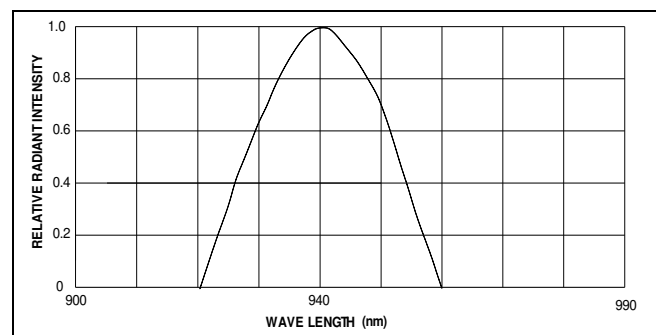
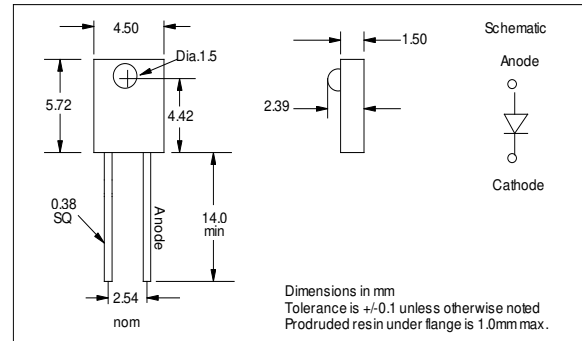
Absolute Maximum Ratings

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