

L940-66-60

Epoxy Lens Type Infrared Illuminator

L940-66-60 is a wide viewing and extremely high output power illuminator assembled with a total of 60 high efficiency GaAs diode chips, mounted on a metal stem TO-66 with AlN ceramics and covered with double coated clear silicone and epoxy resin. These devices are designed for high current operation with proper heat sinking to improve thermal conductive efficiency.

<Features>

- High Reliability
- Compact(TO-66) Package
- High Output Power at 940nm

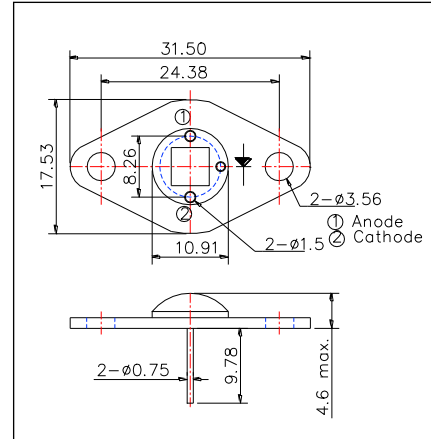
<Specifications>

1. Product Name: IR Illuminator
2. Type Number: L940-66-60
3. Chip:
 - Chip material: GaAs
 - Peak Wavelength: 940nm typ.
4. Package
 - Type: TO-66 Stem with AlN
 - Lens: Epoxy Lens

<Application>

- For IR Search Light
- For CCD Lighting

Outer Dimension (Unit:mm)



Absolute Maximum Ratings[Ta=25°C]			
Item	Symbol	Maximum Rated Value	Unit
Power Dissipation	PD	7.0	W
Forward Current	IF	1000	mA
Pulse Forward Current*	IFP	5000	mA
Reverse Voltage	VR	50	V
Junction Temperature	Tj	100	°C
Thermal Resistance**	Rthjp	9	K/W
Operating Temperature	TOPR	-30 ~ +80	°C
Storage Temperature	TSTG	-30 ~+100	°C
Soldering Temperature***	TSOL	265	°C

* Duty=1% and Pulse Width=1us

** Junction - Package, mounted on heat sink

*** Soldering condition must be completed within 3 second at 265 °C.

Electro-Optical Characteristics						
Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	VF	IF=800mA		6.7		V
Radiated Power*	PO	IF=800mA		300		mW
Radiant Intensity	IE	IF=800mA		-		mW/sr
Peak Wavelength	λP	IF=800mA	930	940	955	nm
Half Width	Δλ	IF=800mA		60		nm
Viewing Half Angle	θ1/2	IF=800mA		± 60		deg

* Measured by S3584-08

