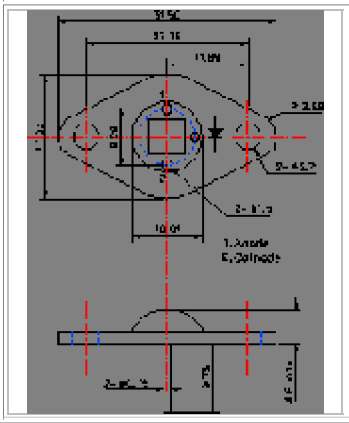
LED970-66-60 epoxy lens type IR illuminator

LED970-66-60 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	†Applications
high reliability	For high intensity lighting source
compact(TO-66)package	
high output power at typ. 970 nm	

†Specifications

1)Product No.	Blue color illuminator	Outer Dimension
2)type No.	LED970-66-60	
3)Chip		
	GaAs	
(2)Peak wavelength	970 nm	
4)Package		
(1)Stem	AlN (poison	
(2)Lens		

†Absolute Maximum Ratings

	Symbol	Maximum Rated Value		Ambient Temperature
Power Dissipation		7.5		Ta=25 °C
	IF	1200	mA	
Pulse Forward Current	IFP		mA	
Reverse Voltage		5	V	Ta=25 °C
Operating Temperature	TOPR	-30~+85	°C	
Storage Temperature		-30~+1 0	°C	
Soldering Temperature		2 0	°C	

Pulse forward Current condition : duty=1% and pulse width=10us.

† (Ta=25)

Item	Symbol		Minimum	Typical		Unit
Brightness	Iv					cd
Luminous Flux	v	IF= 600 mA				lm
	Po	IF= 600 mA		240		mW
	Vf	IF= 600 mA		6.5		V
Reverse Current	R	I =10 uA				V
Peak Wavelength	P	IF = 600 mA		970		
Half Width	ë	IF= 600 mA		65		nm
Viewing Half Angle		IF= 600 mA		±60°		deg.

‡Heat sink is required thermal resistance <8K/W