LT1885-81-XXXH 5.0MM ROUND INFRARED LAMP

Feature

* HIGH RADIANT POWER
* RELIABLE AND RUGGEN
* LOWER DEGRADATION
* IC COMPATIBLE

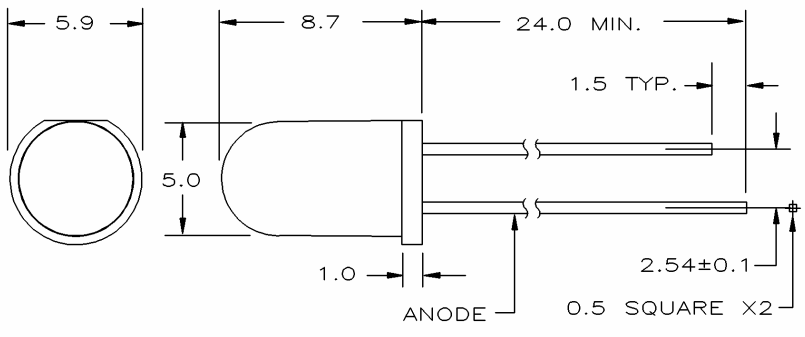
Absolute Maximum Ratings at T_A=25℃

REVERSE VOLTAGE (<100 μ A).....	5.0 V
D.C. FORWARD CURRENT.....	100 mA
PULSE CURRENT (1/10 DUTY CYCLE,0.1 ms PULSE WIDTH).....	200 mA
OPERATING TEMPERATURE RANGE.....	-25℃ TO +85℃
STORAGE TEMPERATURE RANGE.....	-25℃ TO +100℃
LEAD SOLDERING TEMP. (1.6mm FROM BODY).....	260℃ FOR 5 SEC.

Electrical/optical characteristics at T_A=25℃

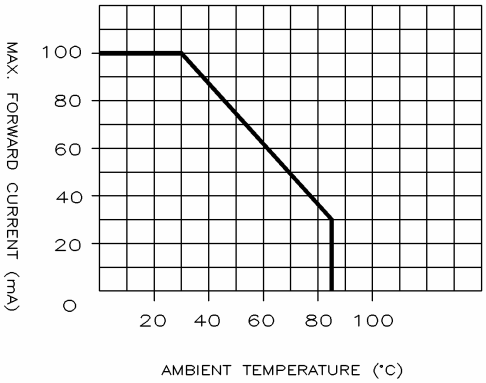
PART NUMBER	INFRARED CHIP		LEN'S COLOR	PEAK WAVELENGTH @100mA (nm)	FORWARD VOLTAGE @50mA(V)		RADIANT POWER @100mA(mw)		VIEW ANGLE $2\theta_{1/2}$ (deg)
	MATERIAL	EMITTING COLOR			TYP.	MAX.	MIN.	TYP.	
LT1885-81-940H	GaAs	----------	BLUE CLEAR	940	1.3	1.7	2.3	4.1	22
LT1885-81-880H	GaAlAs	----------	BLUE CLEAR	880	1.5	1.9	2.9	5.3	22

Package Dimensions

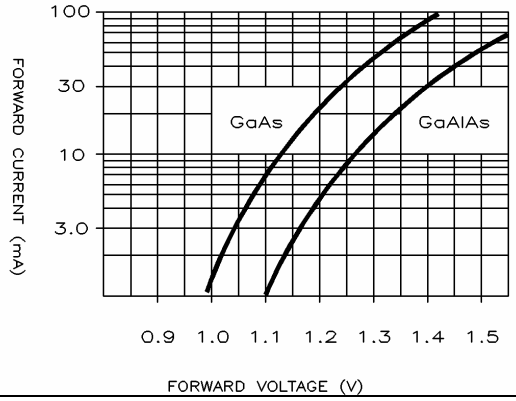
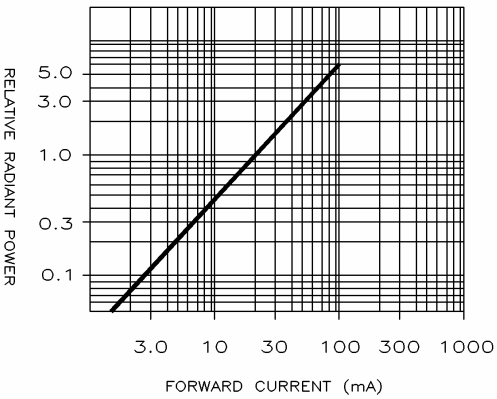


1. ALL DIMENSIONS ARE IN mm,TOLERANCE IS ±0.25mm UNLESS OTHERWISE NOTED.
2. AN EPOXY MENISCUS MAY EXTEND ABOUT 1.0mm DOWN THE LEADS.
3. BURR AROUND BOTTOM OF EPOXY BODY MAY BE 0.5mm MAX.

Ambient Temperature VS. Max. Forward Current



Forward Voltage VS. Forward Current



Forward Current VS. Relative Radiant Power