

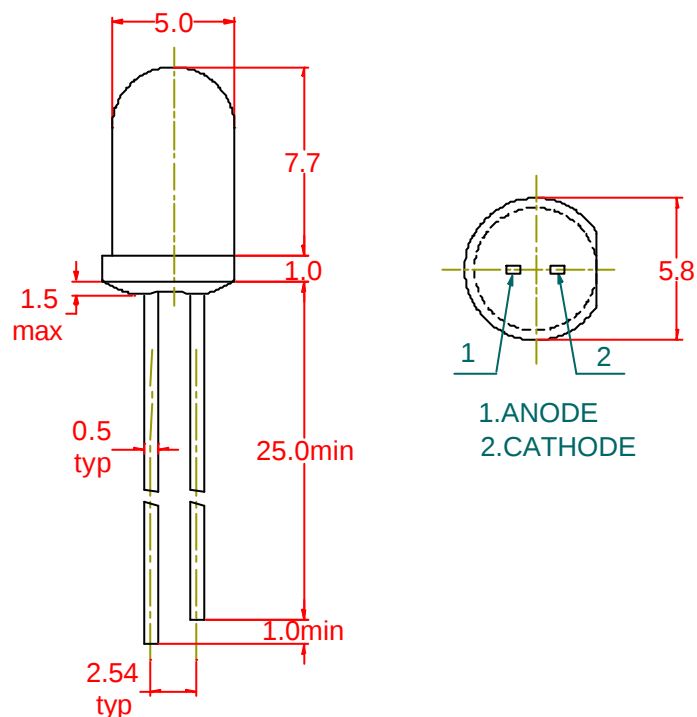
LED DATA SHEET

Part No.	LSIR50331		
Emitted Color	Infrared	Len's Color	Blue Transparent

Features:

5mm Round resin mold type
High reliability and radiant intensity
Chip material : GaAlAs

Package Dimensions:



Note:

- 1、 All dimensions are in millimetres (mm)
- 2、 Tolerance is $\pm 0.25\text{mm}$ unless otherwise noted

Absolute Maximum Rating (Ta=25)

Parameter	Symbol	Max.	Unit
Power Dissipation	P_M	100	Mw
Pulse Forward Current (Duty 1/10 @ 1kHz)	I_{FP}	500	mA
Continuous Forward Current	I_F	50	mA
Reverse Voltage	V_R	5	V
Operating Temperature Range	T_{opr}	-25 ~ 85	
Storage Temperature Range	T_{stg}	-40 ~ 100	
Solder Temperature : 2.0mm From Body For 3 Seconds at 260			

Electrical Optical Characteristics (Ta=25)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Radiant Intensity	Ee	--	35	--	Mw/sr	$I_F = 20mA$
Forward Voltage	VF	--	1.4	1.8	V	$I_F = 20mA$
Reverse Current	IR	--		10	uA	$V_R = 5V$
Peak Emission Wavelength	λ_P	--	850	--	nm	$I_F = 20mA$
Spectral Line Half Width	$\Delta \lambda$	--	45	--	nm	$I_F = 20mA$
Viewing Angle	$2\theta_{1/2}$	--	30	--	Deg.	$I_F = 20mA$

Note:

- 1、The luminous intensity data and λ_P is survey values with the machine JF- 、JS-2000.
- 2、 $2\theta_{1/2}$ is the clip angle at which the luminous intensity is half the axial luminous intensity.