



FYL-5013IRAC1C

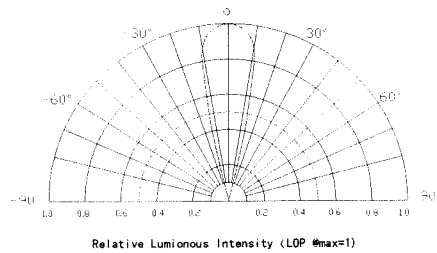
Features:

- General purpose leads
- RoHs complant.

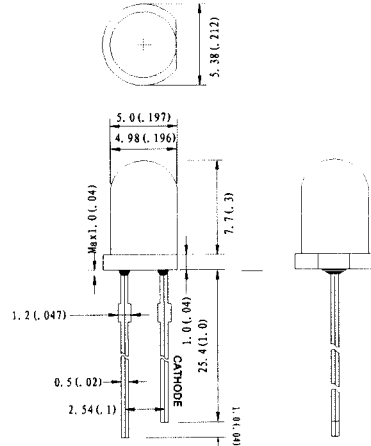
Descriptions:

- Dice material: AlGaAs
- Emitting Color: Infrared
- Device Outline: Φ5mm Round Type.
- Lens Type: Water clear

Radiation pattern.



Package configuration



- ◆ All dimensions are millimeters (inches)
- ◆ Tolerance is ±0.25mm(.010") unless otherwise noted.

Absolute maxmum ratings(Ta=25 °c)

Parameter	MAX.	Unit
Power Dissipation	50	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	20	mA
Derating Linear From 50°C	0.4	mA/°C
Reverse Voltage	5	V
Operating Temperature Range	-30°C to +80°C	
Storage Temperature Range	-40°C to +100°C	
Lead Soldering Temperature[4mm(.157") From Body]	260°C for 5 Seconds	

Electrical and optical characteristics(Ta=25 °c)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Radiant Intensity	Ee	20	25	-	Mw/sr	IF=20mA
Viewing Angle	2θ1/2	20	25	30	Deg	
Peak Emission	λp	-	940	-	nm	
Spectral Line Half-Width	Δλ	40	45	50	nm	
Forward Voltage	VF	-	1.2	1.5	V	VR=5V
Reverse Current	IR			50	μA	
Optical Rise Time	TR		940		ns	IF=20mA
Optical Fall Time	TF		940		ns	IF=20mA



LED LAMP

Typical Electrical Characteristics Curves (25 °c Ambient Temperature Unless Otherwise Noted)

