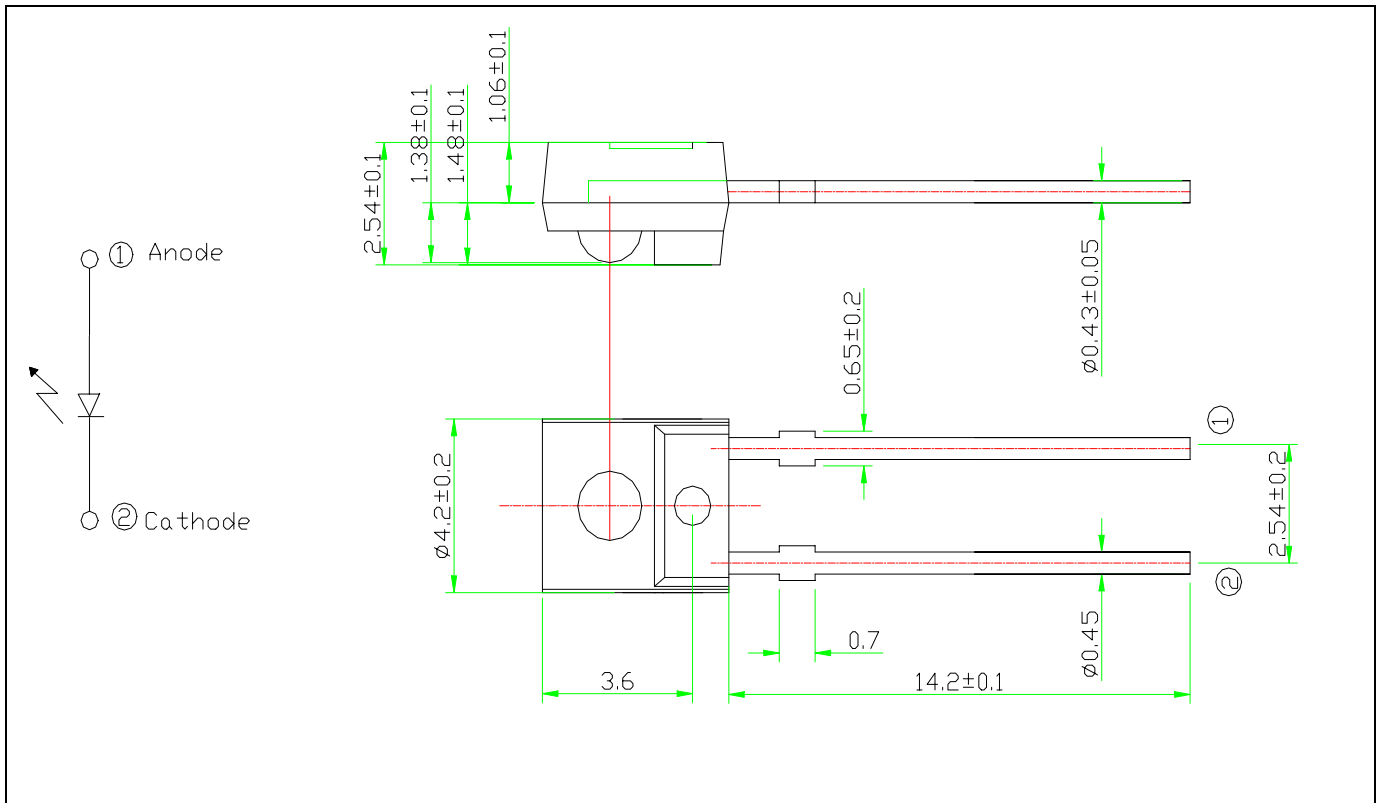


SIR-94T530

■ Outline Dimension



■ Features

- High Sensitivity
- Side looker plastic package
- Low - cost

■ Applications

- Photo interrupters
- Optoelectronic switches
- Toys

■ Absolute Maximum Ratings (Ta=25°C)

Item	Symbol	Rating	Unit
Forward Current	I_F	60	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	100	mW
Operating Temperature	T_{opr}	-25 ~ +85	°C
Storage Temperature	T_{stg}	-30 ~ +85	°C
Soldering Temperature	T_{sol}	260 (for 5sec)	°C

● Soldering conditions:

Soldering iron: Temperature at tip of iron: 280°Cmax (30W max)

Soldering time: 3sec. Max.

■ Electro-Optical Characteristics (Ta=25°C)

Item	Symbol	Condition	Min	Typ	Max	Unit
Radiant Intensity	P_O	$I_F = 20\text{mA}$	3	5	6.5	mW/sr
Forward Voltage	V_F	$I_F = 40\text{mA}$		1.3	1.6	V
Reverse Current	I_R	$V_R = 5\text{V}$	-	-	10	μA
Pick Wavelength	λ_P	$I_F = 60\text{mA}$		940		nm
Spectral Bandwidth	$\Delta\theta$	-		50		nm