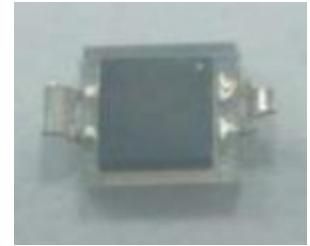


Si PD Plastic Dual In-line Package datasheet

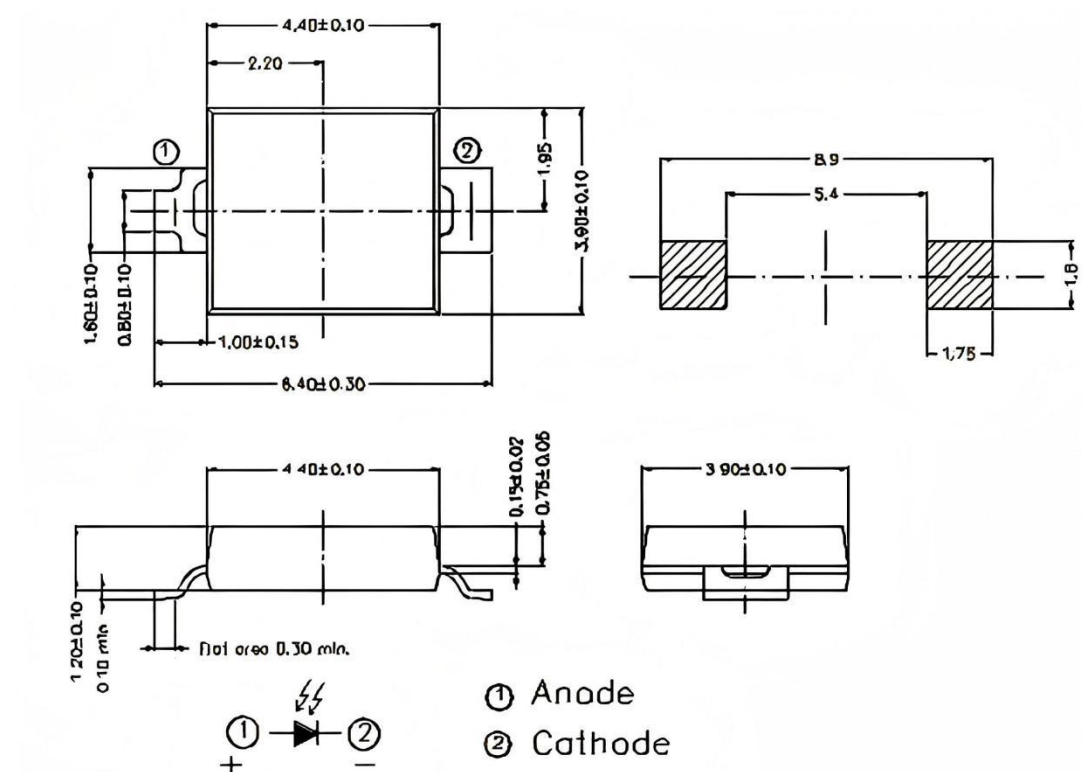
P/N: WSP9-07D

Features

- Package (L/W/H): 6.4*3.9*1.2mm
- Category : Phototransistor
- This product is high sensitivity, fast switching times, low capacitance, compact size, and lack of measurable degradation make it suitable for diverse applications, such as LIDAR, Pre-Crash, ACC, Rain Sensors, PM2.5 Sensors



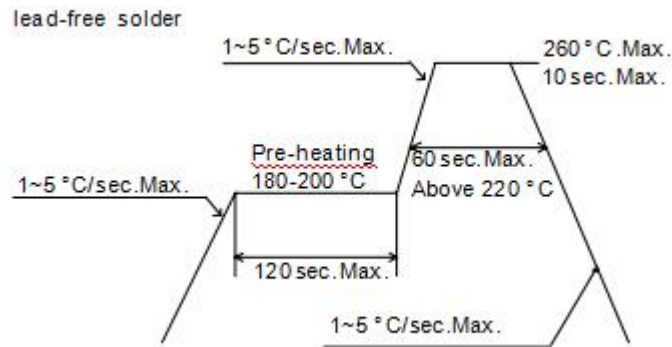
Package Dimensions



Notes:

1. All dimensions are in millimeter.
2. Tolerances unless dimensions ± 0.1 mm.

Soldering Profile Suggested



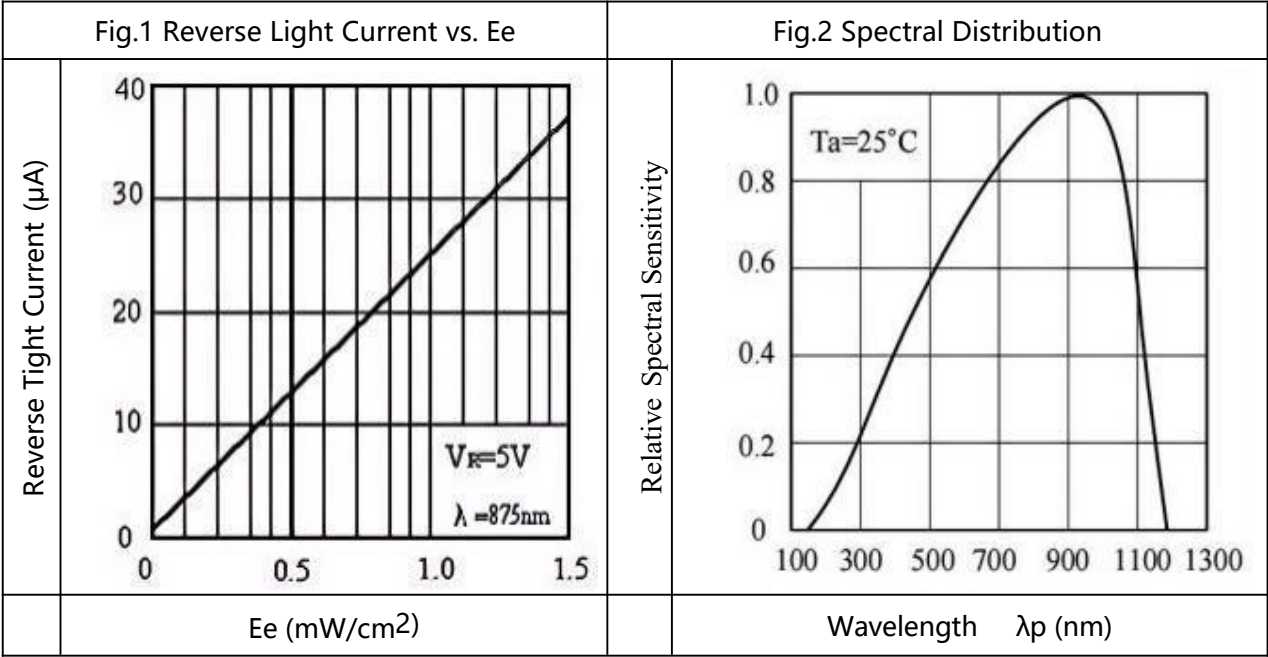
Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Rating	Unit
Power Dissipation	Pd	150	mW
Reverse Voltage	VR	32	V
Operating Temperature Range	Topr	-25°C ~ +85°C	
Storage Temperature Range	Tstg	-40°C ~ +85°C	

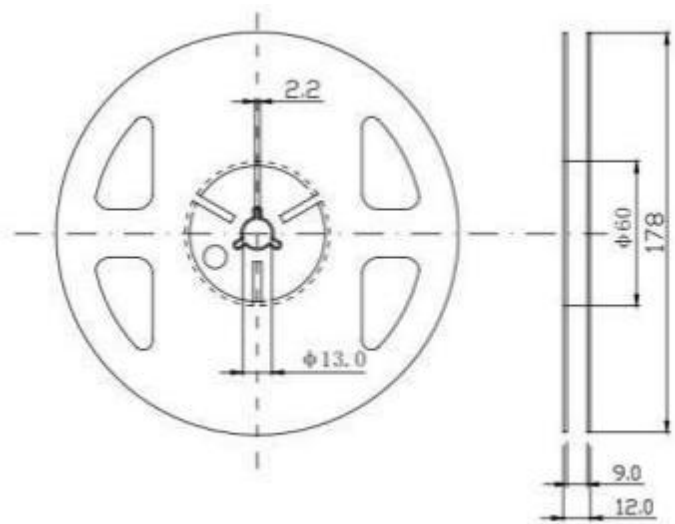
Electrical Optical Characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Wavelength Of Peak Sensitivity	λ_p	--	940	--	nm	--
Rang Of Spectral Bandwidth	λ	400	--	1100	nm	--
Short- Circuit Current	ISC	--	35	--	μA	Ee=1mW/cm2 λ_p =875nm
Reverse Light Current	IL	17	25	--	V	Ee=1mW/cm2 λ_p =875nm VR= 5 V
Reverse Dark Current	ID	--	5	30	V	Ee=0mW/cm2 VR=10V
Reverse Breakdown Voltage	VBR	32	170	--	V	Ee=0mW/cm2 IR= 100 μA

Typical Electrical-Optical Characteristics Curves

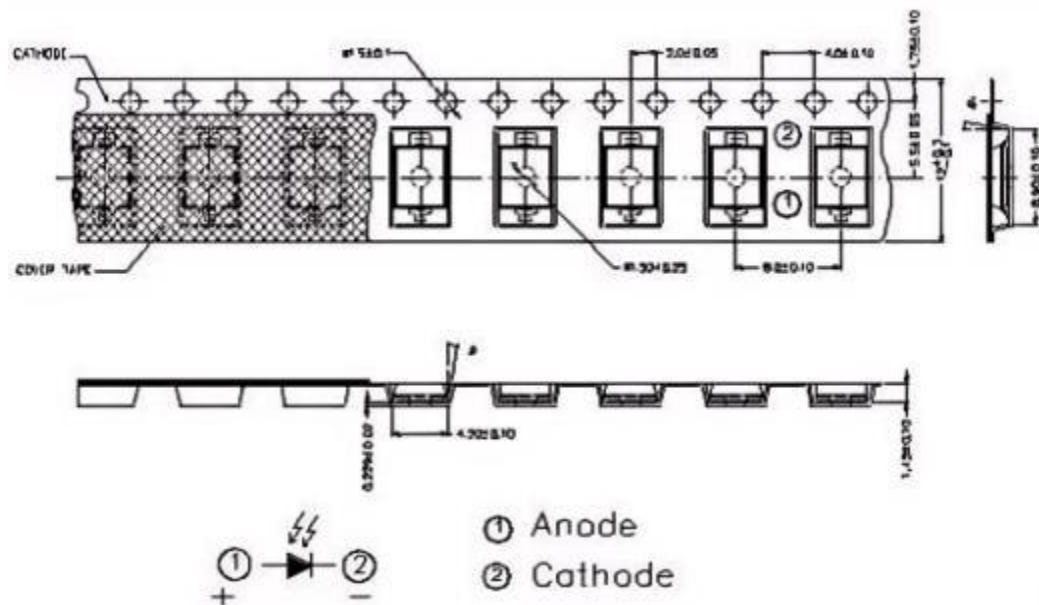


Package Dimensions



Notes: All dimensions are in millimeters.
Tolerance is ± 0.1 mm unless otherwise noted

Carrir Tape Dimensions: Loaded quantity 1000 PCS per reel



Note: The tolerances unless mentioned is $\pm 0.1\text{mm}$, Unit = mm

Notes

When using this product, please be sure to pay attention to the absolute maximum ratings listed in this specification sheet and the instructions for use.