

# SPDI34-30F

## PIN Photo Diode

The SPDI34-30F is a high-output, high-speed silicon PIN photodiode mounted in a transparent package.

### Features

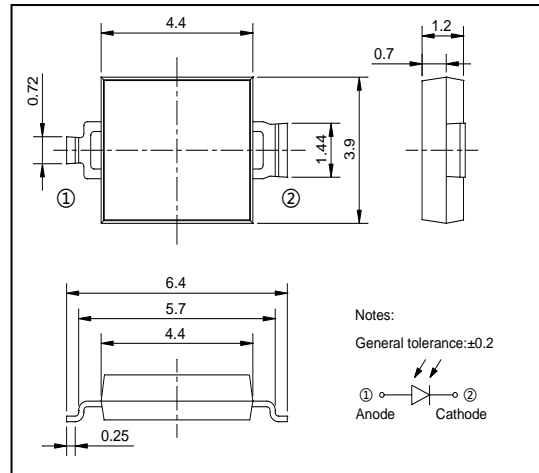
- High-Output Power
- High-Speed Response
- SMD Type

### Application

- Optical Detectors
- Optical Sensors

### Dimensions

(Unit:mm)



### MAXIMUM RATINGS

(Ta= 25°C)

Item	Symbol	Rating	Unit
Reverse Voltage	$V_R$	35	V
Operating Temperature	Topr.	-25~+85	°C
Storage Temperature	Tstg.	-30~+100	°C
Soldering temperature *1	Tsol.	260	°C

\*1. Lead Soldering Temperature (less than 5sec)

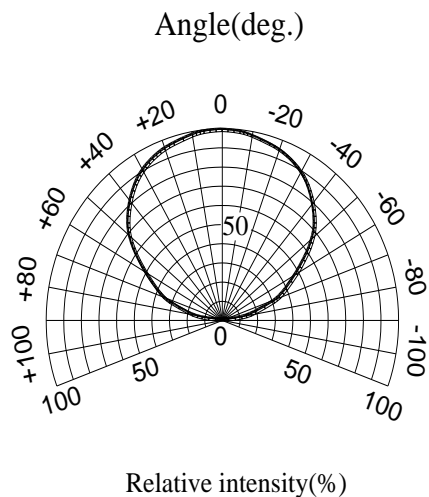
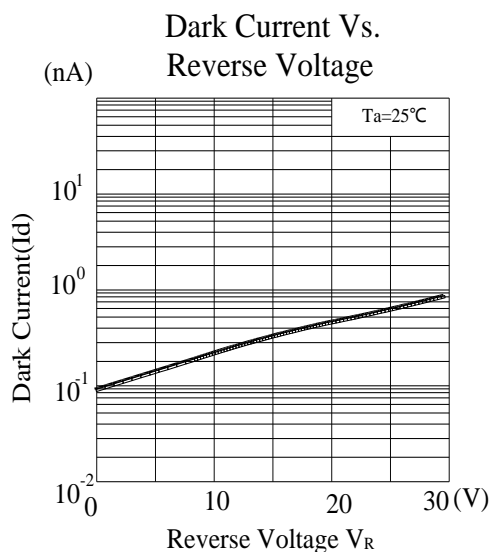
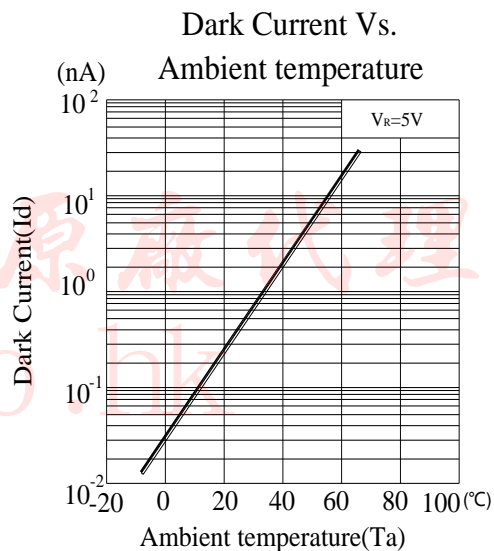
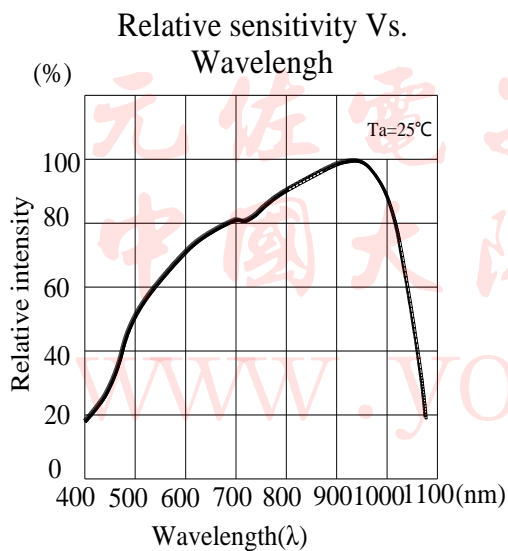
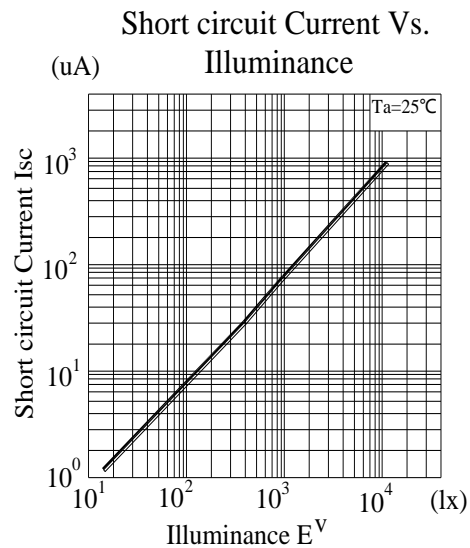
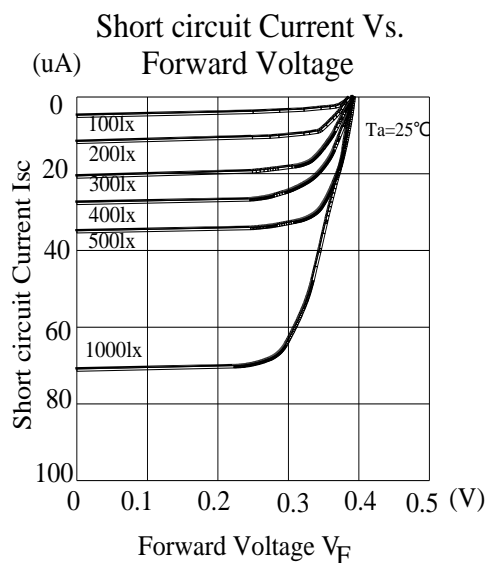
### ELECTRO- OPTICAL CHARACTERISTICS

(Ta= 25°C)

Items	Symbol	Condition	Min.	Typ.	Max.	Unit
Open circuit voltage	$V_{OC}$	$E_V=1000\text{Lux}^{\ast 2}$		0.4		V
Short circuit current	$I_{SC}$			75		$\mu\text{A}$
Dark current	$I_D$	$V_R=10\text{V}$			10	nA
Capacitance	$C_t$	$V=0\text{V}, f=100\text{kHz}$		15		pF
Spectral sensitivity	$\lambda$		450~1100			nm
Peak wavelength	$\lambda_p$			940		nm
Half angle	$\Delta\theta$			±60		deg.

\*2. Irradiance by CIE standard light source A (2856K tungsten lamp)

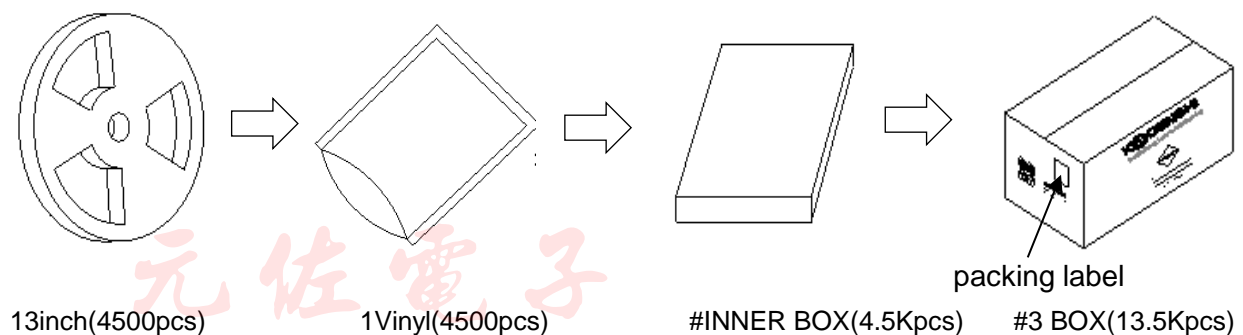
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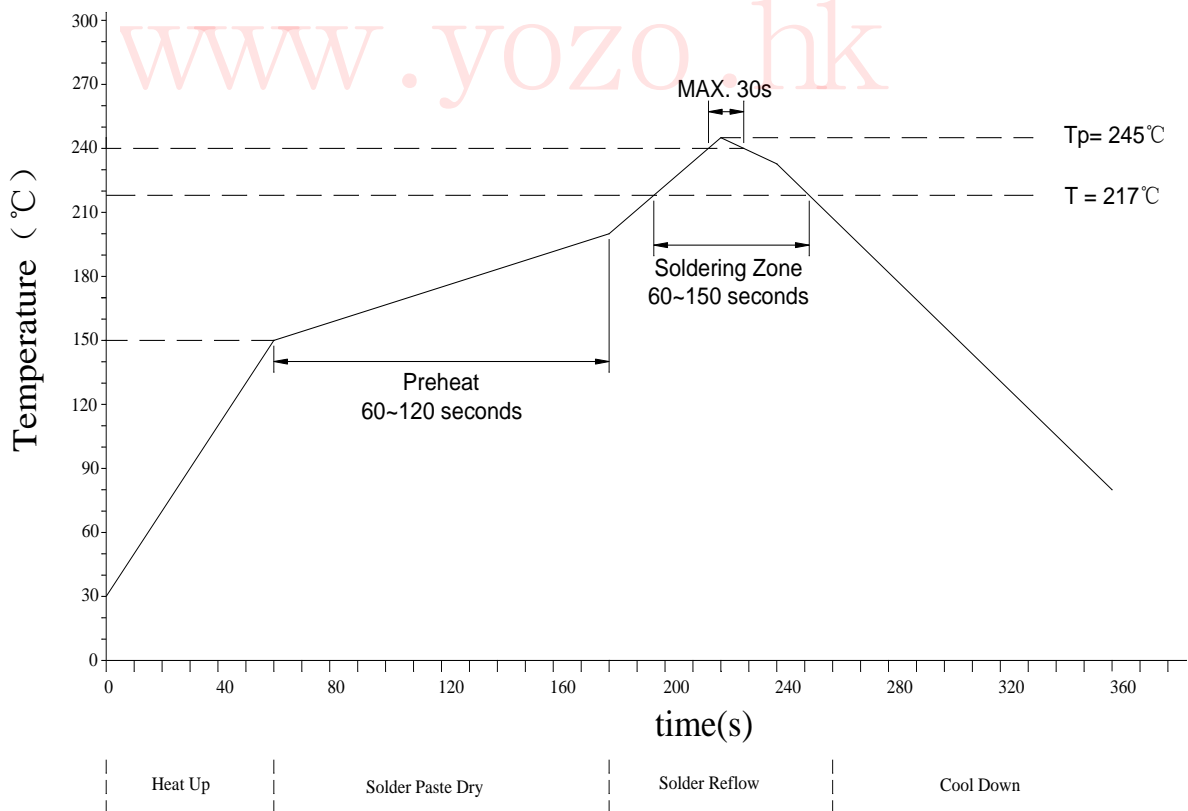
## SPDI34-30F

### Packing Specification

- 1.Fixed quantity (4500pcs) of the products are packed into plastic reel
- 2.One reel of the products are put into box
3. Three boxes are put into #3 box (max 13,500pcs)
4. Packing slit is pasted on the out box



### Reflow Soldering Profile



## SPDI34-30F

### Recommended Solder Pad

