

**FEATURES**

- Daylight filter
- High sensitivity
- Low capacitance
- Short switching time
- Surface mount package

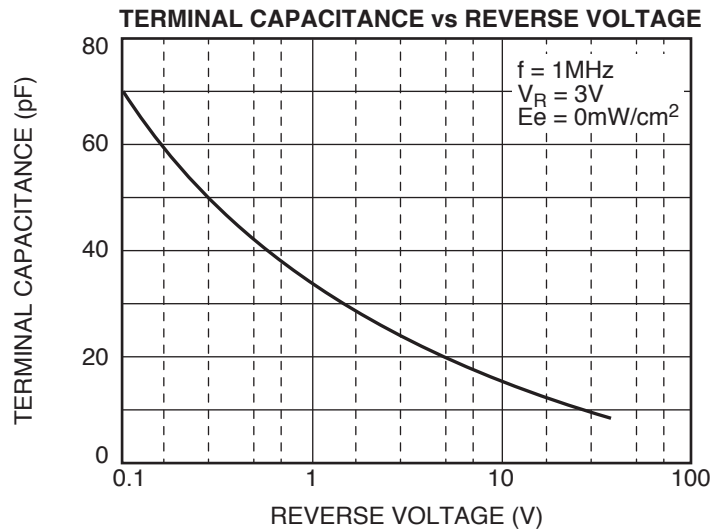
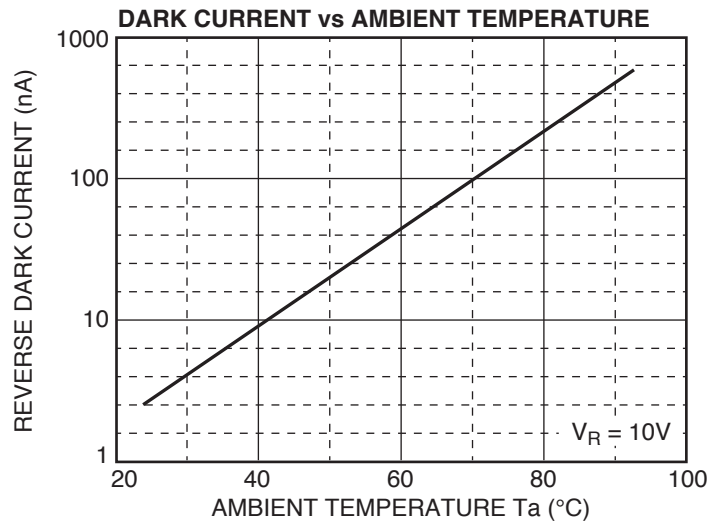
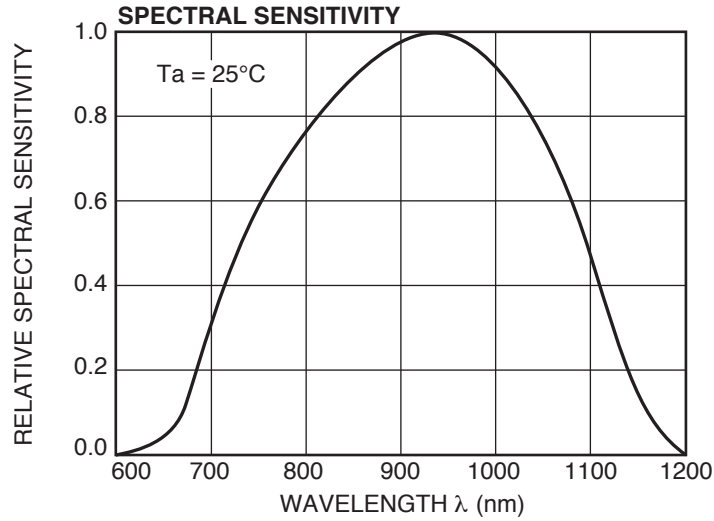


**ELECTRO-OPTICAL CHARACTERISTICS AT 25°C**

PARAMETERS	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Range of Spectral Bandwidth, $\lambda_{0.5}$	-	730	-	1100	nm
Wavelength of Peak Sensitivity, $\lambda_P$	-	-	940	-	nm
Responsivity	$\lambda_P = 940\text{nm}$	-	0.44	-	A/W
Reverse Dark Current, $I_P$	$V_R = 10\text{V}$	-	5	-	nA
Reverse Breakdown Voltage, $B_{VR}$	$I_R = 100\mu\text{A}$	32	170	-	Volts
Total Capacitance, $C_t$	$V_R = 3\text{V}, f = 1\text{MHz}$	-	25	-	pF
Rise/Fall Time, $t_r/t_f$	$V_R = 10\text{V}, R_L = 1\text{K}\Omega$	-	50/50	-	nSec

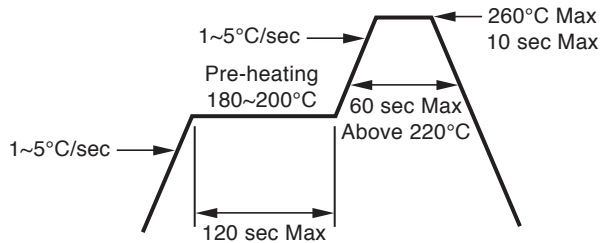
**THERMAL PARAMETERS**

Operating Temperature Range	-25°C TO +85°C
Storage Temperature Range	-40°C TO +85°C
Power Dissipation at (or below) 25°C Free Air Temperature	150mW
Soldering Temperature <sup>1</sup> (Soldering time 5 sec max.)	260°C



<sup>1</sup> Soldering Conditions

## 1.0 Pb-free solder temperature profile



1.1 Reflow soldering should not be done more than twice

1.2 Do not stress the PD while soldering

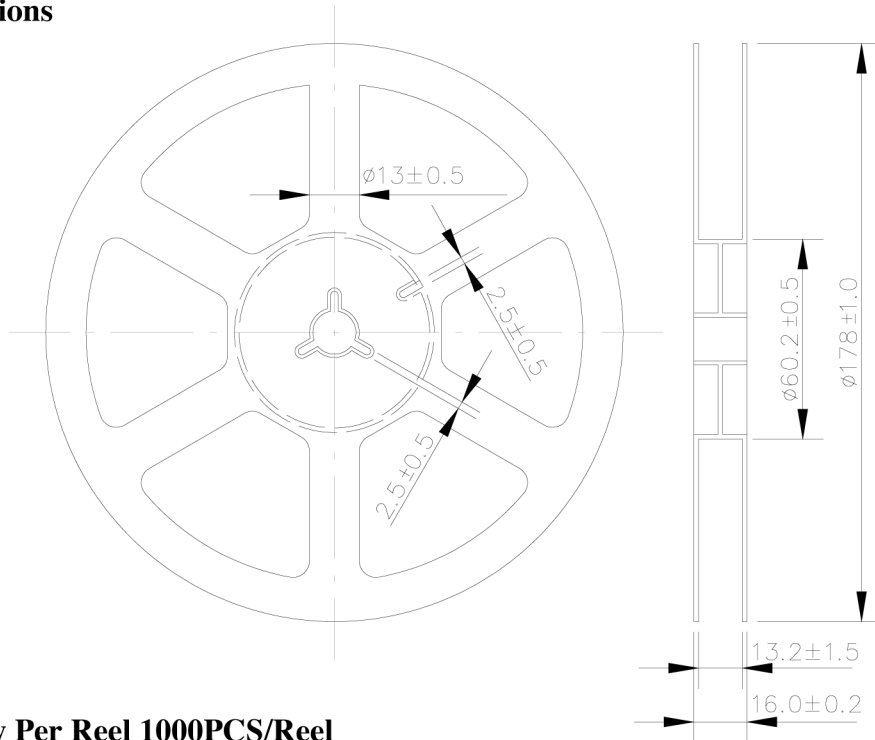
1.3 Don't flex the circuit board after soldering

## 2.0 Soldering Iron

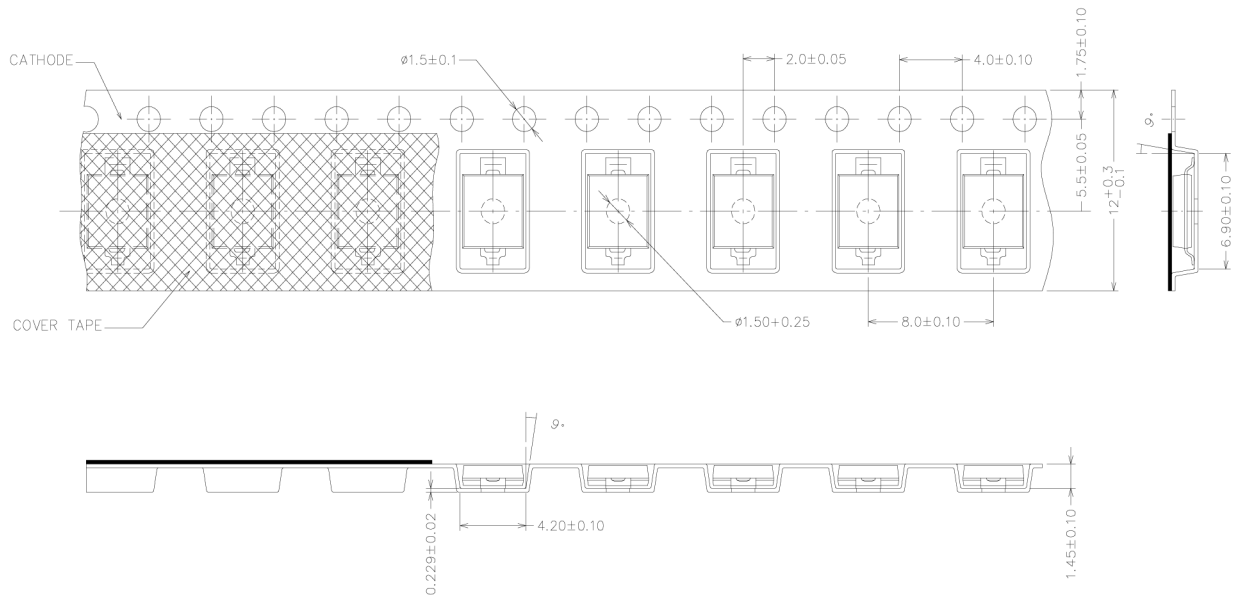
2.1 Each terminal should touch the tip of soldering iron (at 280°C) for less than for three seconds. Use a minimum two second interval between soldering each terminal. Use caution as product damage is often started during hand soldering.

2.2 The tip of soldering iron (at 280°) should be in contact with each terminal for less than three seconds. Pause for a minimum two second interval between soldering each terminal. Use caution as damage to the PD is often started during hand soldering.

**Package Dimensions**



**Loaded Quantity Per Reel 1000PCS/Reel**



**Unit :mm**