

广州市晶彩光电器材厂

5MM 光敏二极管

产品型号: UPT333C

✧ Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Rating	Units
Reverse Voltage	VR	32	V
Power Dissipation	PO	150	mw
Lead Soldering Temperature	Tsol	260	°C
Operating Temperature	Topr	-40~±85	°C
Storage Temperature	Tstg	-40~±85	°C

Note:*1:Soldering time ≤ 5 seconds

✧ Electro- Optical Characteristics:

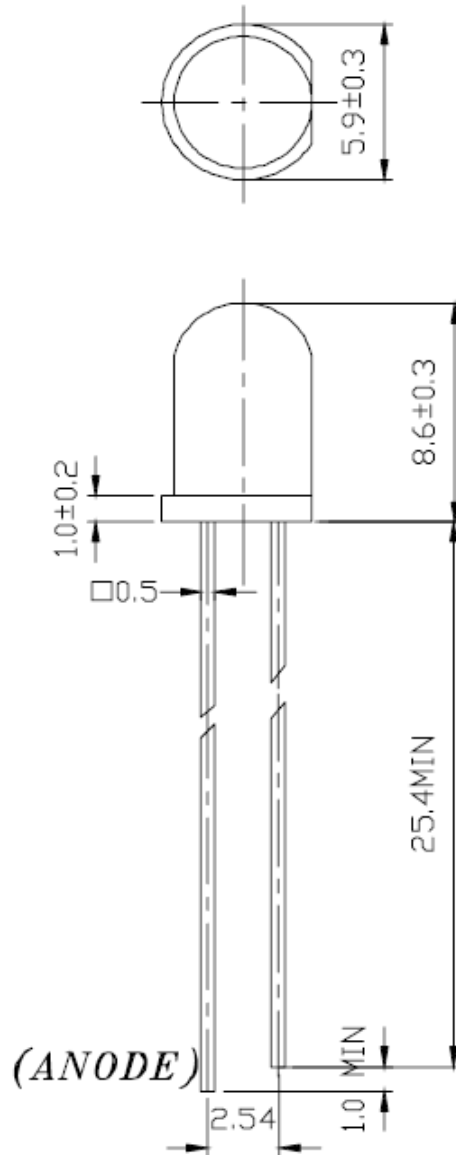
Parameter	Symbol	Condition	Min.	Typ.	Max.	Units
Rang Of Spectral Bandwidth	$\lambda 0.5$	-	840	-	1100	nm
Wavelength Of Peak Sensitivity	λp	-	-	940	-	nm
Open-Circuit Voltage	Voc	Ee=5m W/cm ² $\lambda p=940nm$	-	0.39	-	V
Short-Circuit Current	Isc	Ee=1m W/cm ² $\lambda p=940nm$	-	35	-	μA
Reverse Light Current	IL	Ee=1m W/cm ² $\lambda p=940nm$ VR=5V	25	35	-	
Dark Current	Id	Ee=0m W/cm ² $\lambda p=940nm$ VR=10V	-	5	30	nA
Reverse Breakdown	BVR	Ee=0m W/cm ² IR=100 μA	32	170	-	V
Total Capacitance	Ct	Ee=0m W/cm ² VR=3V	-	18	-	pF
Rise/Fall Time	Tr/Tf	VR=10V RL=1K Ω	-	45/45	-	nS

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Package Dimensions



Notes: 1. All dimensions are in millimeters

2. Tolerances unless dimensions ± 0.25 mm