

Device Selection Guide

Chip Materials	Lens Color
Silicon	Black

Absolute Maximum Ratings (Ta=25℃)

Parameter	Symbol	Rating	Unit
Reverse Voltage	V_R	32	V
Operating Temperature	T _{opr}	-40 ~ +85	$^{\circ}$ C
Storage Temperature	T _{stg}	-40 ~ +100	$^{\circ}$ C
Soldering Temperature	T _{sol}	260	$^{\circ}$
Power Dissipation at (or below)	P _c	150	mW
25°C Free Air Temperature			



Electro-Optical Characteristics (Ta=25℃)

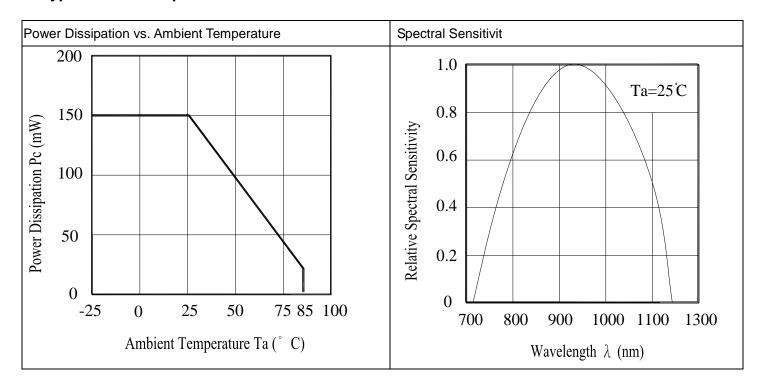
Parameter	Symbol	Min.	Тур.	Max.	Unit	Condition
Range Of Spectral Bandwidth	λ _{0.5}	840		1100	nm	
Wavelength Of Peak Sensitivity	λ_{P}		940		nm	
Open-Circuit Voltage	V _{OC}		0.42		V	Ee=1mW/cm ² λp=940nm
Short- Circuit Current	I _{sc}		3.0		μΑ	Ee=1mW/cm ² λp=940nm
Reverse Light Current	IL	1.0	3.0		μΑ	Ee=1mW/cm ² λ p=940nm V_R =5V
Reverse Dark Current	I _D			10	nA	Ee=0mW/cm ² V _R =10V
Reverse Breakdown Voltage	V_{BR}	32	170		μΑ	Ee=0mW/cm ² I _R =100μA
Total Capacitance	C _t		5		pF	Ee=0mW/cm ² V _R =5V f=1MHz
Rise Time/ Fall Time	t _{r/} / t _f		6		ns	V _R =10V R _L =100Ω

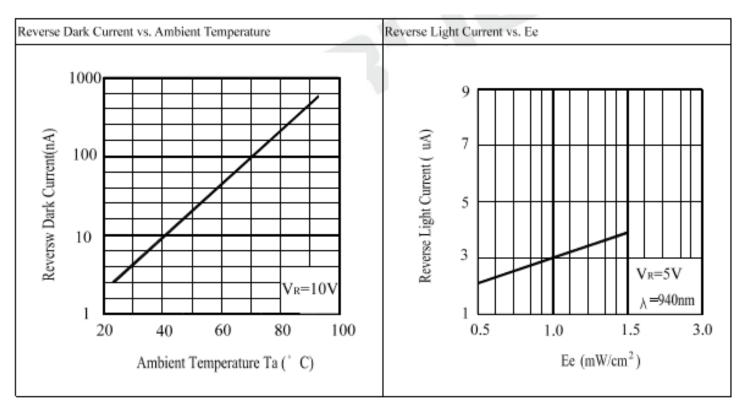
Note:

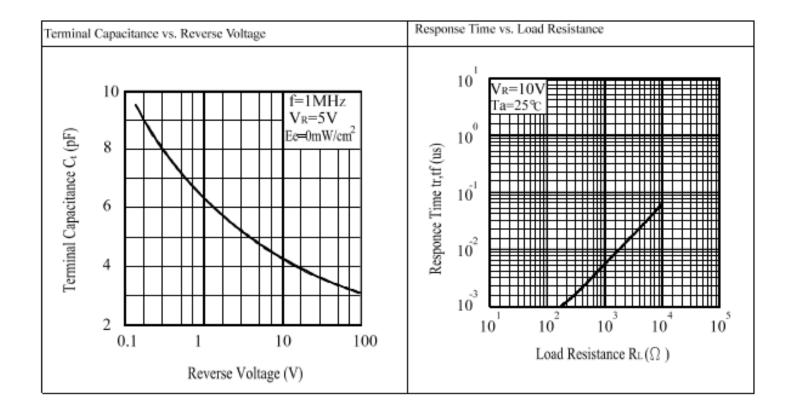
Tolerance of Luminous Intensity: ±10% Tolerance of Dominant Wavelength: ±1nm Tolerance of Forward Voltage: ±0.1V



Typical Electro-Optical Characteristics Curves

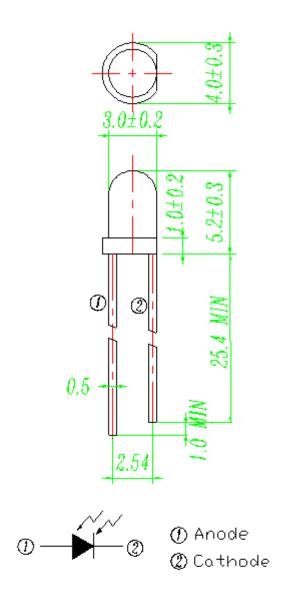








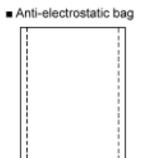
Package Dimension



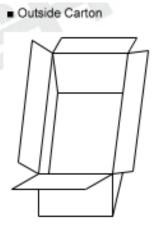
Note: Tolerances unless dimensions ±0.25mm



Packing Quantity Specification

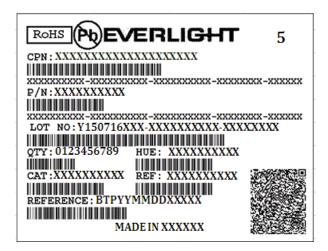






- 1. 200~1000PCS/1Bag,4Bags/1 Inner Carton
- 2. 1 Inner Cartons /1 Outside Carton

Label Form Specification



- CPN: Customer's Product Number
- P/N: Product Number
- QTY: Packing Quantity
- CAT: Luminous Intensity Rank
- HUE: Dom. Wavelength Rank
- REF: Forward Voltage Rank
- · LOT No: Lot Number
- X: Month
- · Reference: Identify Label Number



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