

Device Selection Guide

Chip Materials	Lens Color
Silicon	Black

Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Rating	Unit
Reverse Voltage	V_R	32	V
Operating Temperature	T_{opr}	-25 ~ +85	°C
Storage Temperature	T_{stg}	-40 ~ +100	°C
Soldering Temperature	T_{sol}	260	°C
Power Dissipation at (or below) 25°C Free Air Temperature	P_c	150	mW

Electro-Optical Characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Condition
Range Of Spectral Bandwidth	$\lambda_{0.5}$	840	-----	1100	nm	-----
Wavelength Of Peak Sensitivity	λ_p	-----	940	-----	nm	-----
Open-Circuit Voltage	V_{OC}	-----	0.44	-----	V	Ee=5mW/cm ² λ_p =940nm
Short- Circuit Current	I_{SC}	-----	10	-----	μA	Ee=1mW/cm ² λ_p =940nm
Reverse Light Current	I_L	10	-----	-----	μA	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	-----	V	Ee=0mW/cm ² I_R =100μA
Total Capacitance	C_t	-----	10	-----	pF	Ee=0mW/cm ² V_R =5V f=1MHz
Rise Time/ Fall Time	t_r / t_f	-----	10	-----	ns	V_R =10V R_L =100Ω

Note:

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

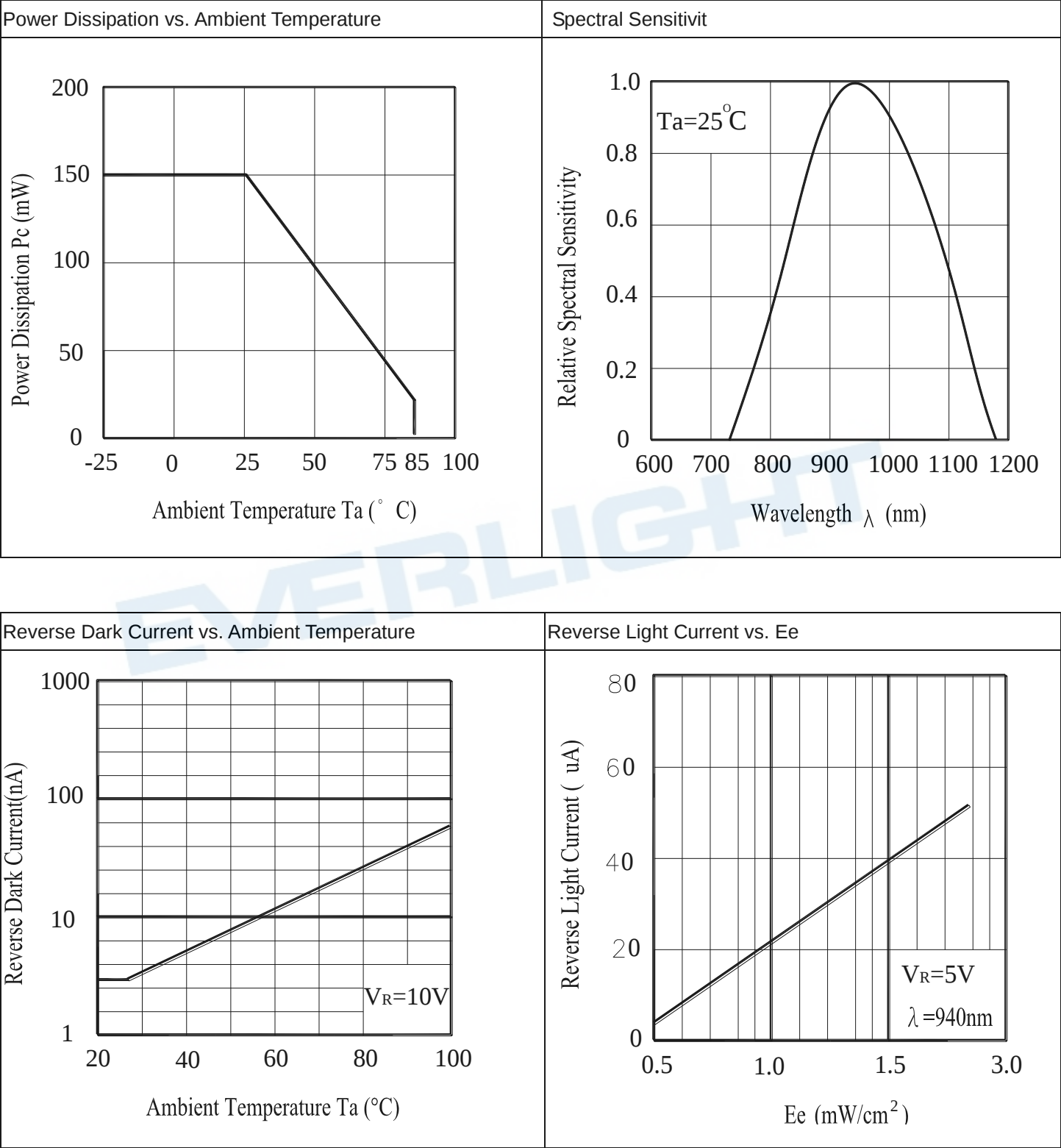
I_L Rank

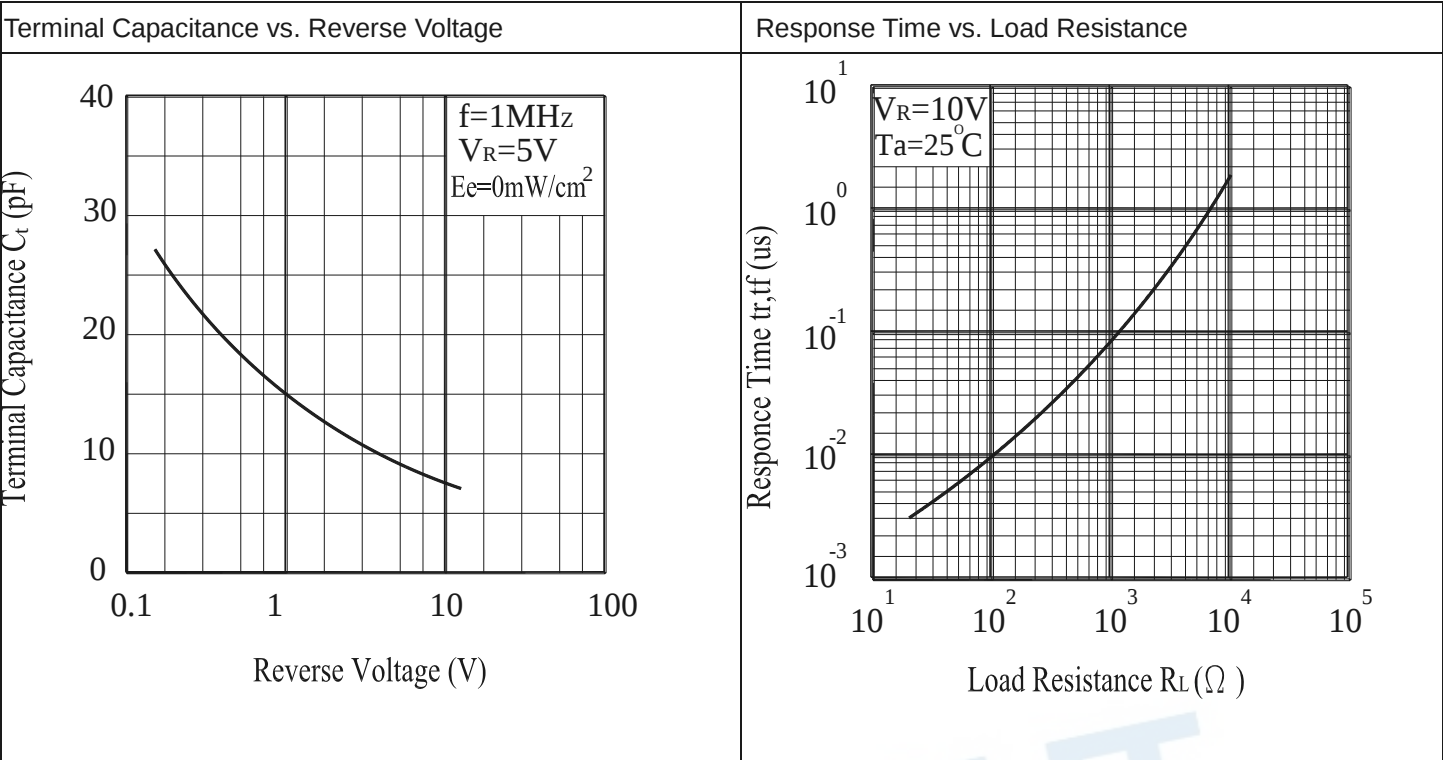
Condition : Ee=1mW/cm²、 λ_p =940nm、 V_R =5V

Unit : uA

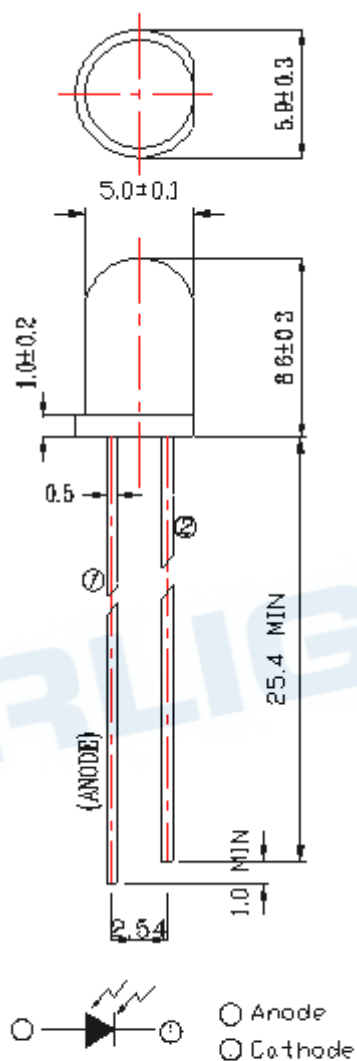
Bin Number	BIN1	BIN2	BIN3	BIN4
Min	10	20	30	40
Max	20	30	40	50

Typical Electro-Optical Characteristics Curves





Package Dimension



Note: Tolerances unless dimensions ± 0.25 mm

Packing Quantity Specification

1.200~500PCS/1Bag , 5Bags/1Box

2.10Boxes/1Carton

Label Form Specification

RoHS	EVERLIGHT	5
CPN: XXXXXXXXXXXXXXXXXXXX		
XXXXXXXXXX-XXXXXXXXXX-XXXXXXXXXX-XXXXXXXXXX-XXXXXX		
P/N: XXXXXXXXXXXX		
XXXXXXXXXX-XXXXXXXXXX-XXXXXXXXXX-XXXXXXXXXX-XXXXXX		
LOT NO:XXXXXXXXXX-XXXXXXXXXX-XXXXXXXXXX		
XXXXXXXXXX-XXXXXXXXXX-XXXXXXXXXX-XXXXXXXXXX-XXXXXX		
QTY: XXXXXXXXXXXX	HUE: XXXXXXXXXXXX	
CAT: XXXXXXXXXXXX	REF: XXXXXXXXXXXX	
REFERENCE: XXXXXXXXXXXXXXXX		
MADE IN XXXXXX		

- 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

DISCLAIMER

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2. The product meets EVERLIGHT published specification for a period of twelve (12) months from date of shipment.
3. The graphs shown in this datasheet are representing typical data only and do not show guaranteed values.
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