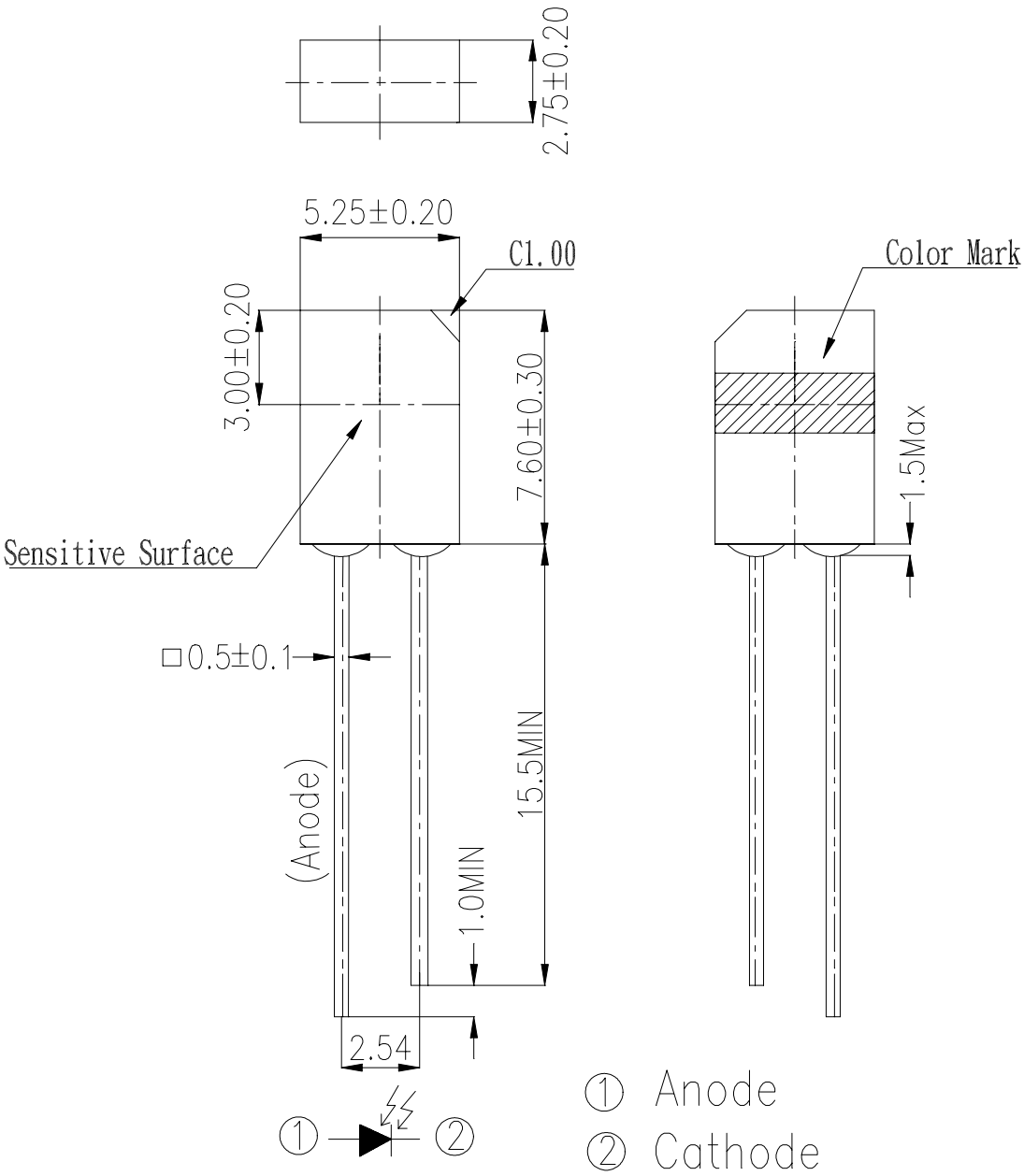
Package Dimensions:



◎**Notes**：

1.All dimensions are in millimeter.
2.Lead spacing is measured where the lead emerge from the package .
3.Protruded resin under flange 1.5 mm Max.
4.Lens color：Water Clear.
5.Above specification may be changed without notice.

7.When using this product , please observe the absolute maximum ratings and the instructions for use outlined in these specification sheets.
responsibility for any damage resulting from use of the product which does not comply with the absolute maximum ratings and the instructions included in these specification sheets.

Description

PD68C is a high speed and sensitive PIN photodiode in a flat side view plastic Package. Due to its waterclear epoxy the device is sensitive to visible and infrared radiation.

Features

- High photo sensitivity
- Fast response time
- Small junction capacitance
- Large radiant sensitive area(A=8.1 ㎟)

Applications

- High speed photo detector
- Cameras
- Infrared remote controllers for TVs, VCRs, audio equipment, air conditioners, etc.

Absolute Maximum Ratings (Ta=25℃)

Parameter	Symbol	Rating	Unit
Reverse Voltage	V_R	32	V
Power Dissipation	Pd	150	mW
Lead Soldering Temperature (1/16 inch from body for 5 sec.)	Tsol	260	°C
Operating Temperature Range	Topr	-25 to+85	°C
Storage Temperature Range	Tstg	-40 to+85	°C

Electro Optical Characteristics (Ta=25℃)

Parameter	Symbol	Min	Typ	Max	Unit	Condition
Rang of Spectral Bandwidth	$\lambda_{0.5}$	400		1200	nm	----------
Wavelength of Peak Sensitivity	λ_P		980		nm	----------
Open-Circuit Voltage	Voc		0.35		V	Ee=5m W/c ㎡ λp=940nm
Short-Circuit Current	Isc		145		μA	
Reverse Light Current	I_L		150		μA	Ee=5m W/c ㎡ λp=940nm，V_R=5V
Dark Current	Id		5	30	nA	Ee=0m W/c ㎡ V_R=10V
Reverse Breakdown Voltage	BV_R	33	170		V	Ee=0m W/c ㎡ I_R=100μA
Terminal Capacitance	Ct		25		pF	Ee=0m W/c ㎡ V_R=3V,f=1MHz
Rise/Fall Time	t_r/t_f		50/50		nS	V_R=10V R_L=1KΩ