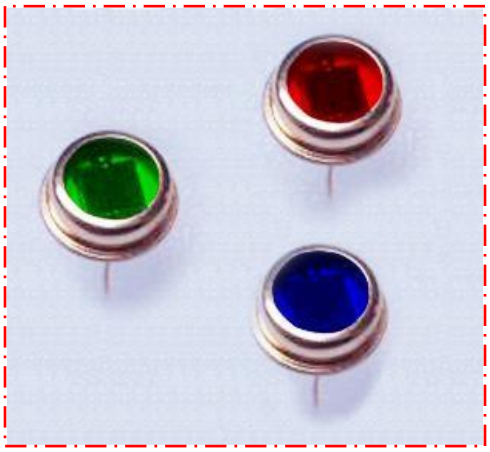
Si Photodiode

LXD-66MQ-B



Response blue only

■ Feather

· LXD-66MQ-B response blue only ;
·High sensitivity;
·Low dark current;
·Hight cost performance;
·Optical glass Package Si Photodiode

■ Applications

·Optical equipments
·Analytical instruments
·Measurements equipments
·Exposure meter
·Illuminometer
·Camera auto exposure
·Stroboscope light control
·Copier
·Display light control
·Optical switch

■ General ratings / Absolute Maximum Ratings

Type No.	Window material	Active area size (mm)
LXD-66MQ-B	Optical glass	5.8 x 5.8

■ Absolute Maximum Ratings (Typ.Ta=25℃)

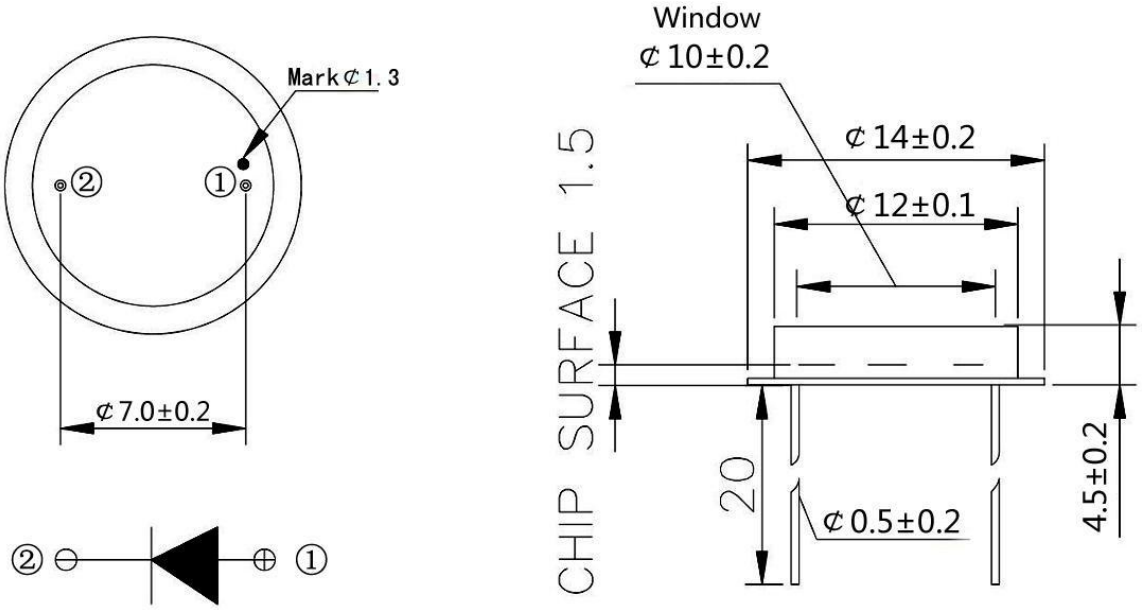
Item	Symbol	Rating	Unit
Reverse Voltage	V_R	5	V
Operating temperature	Topr.	-20～+80	℃
Storage temperature	Tstg.	-30～+120	℃
Soldering Temp.	Tsol.	260	℃

For Max 5 seconds at the position of 2mm from the package

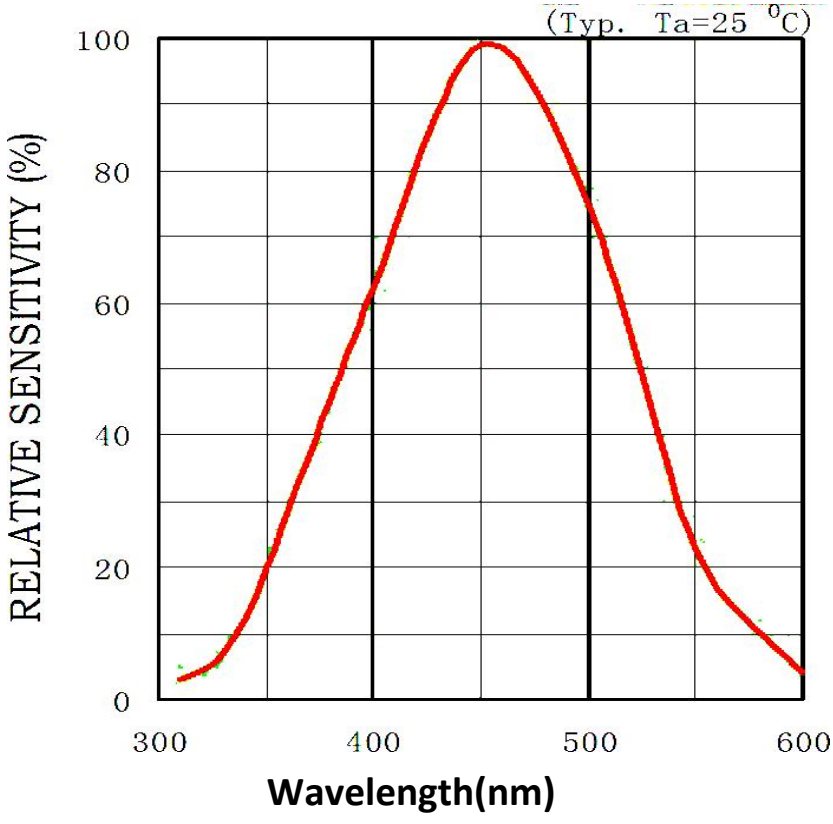
■ Electro-optical Characteristics(Typ.Ta=25℃)

Item	Symbol	Conditions	Min.	Typ.	Max.	Unit,
Open circuit voltage	Voc	Ev=100lux 2856K		0.3		V
Short circuit current	Isc			10		uA
Dark Current	Id	VR= -1V		5		nA
Terminal Capacitiance	Ct	V=0V,f=10KHz		500		pF
Spectral Sensitivity	λ		350		550	nm
Peak Wavelength	λp			450		

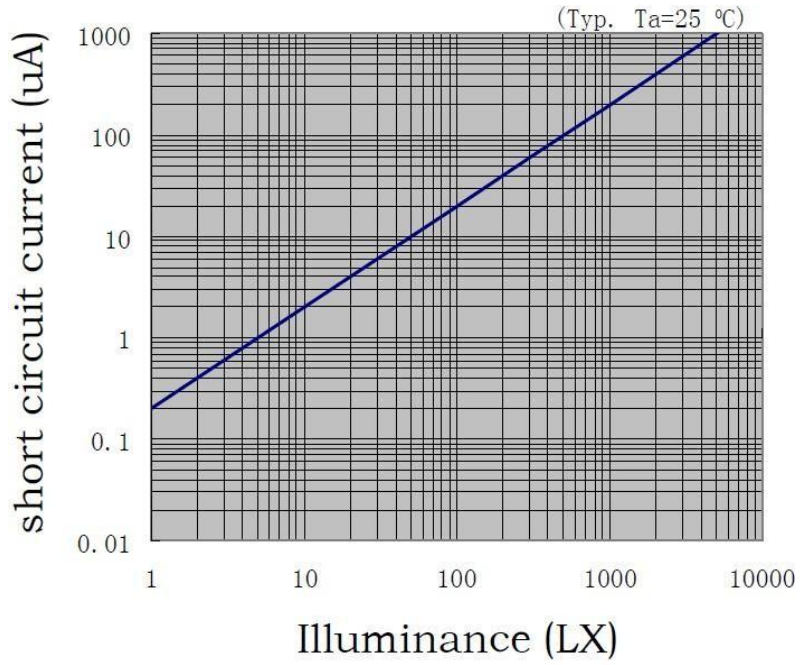
■ Dimensional outline(unit:mm)



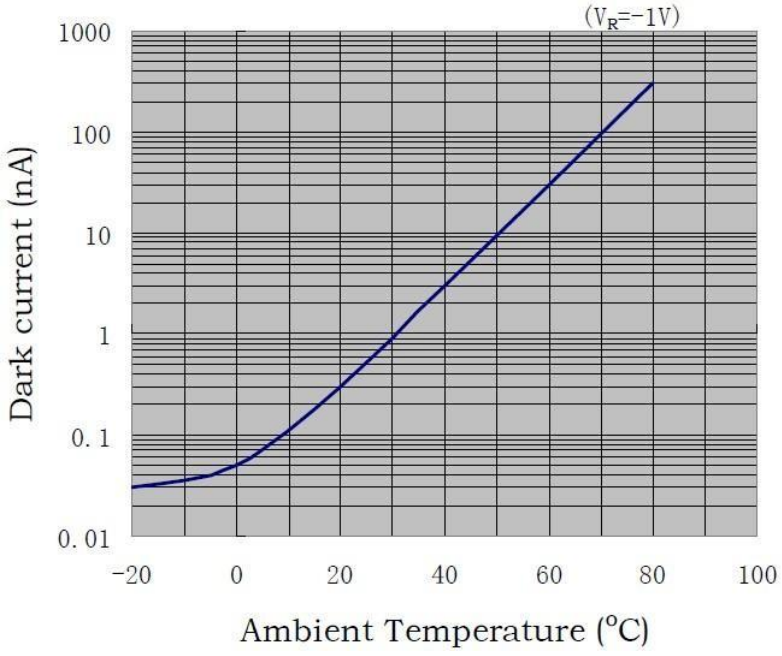
■ Spectral response



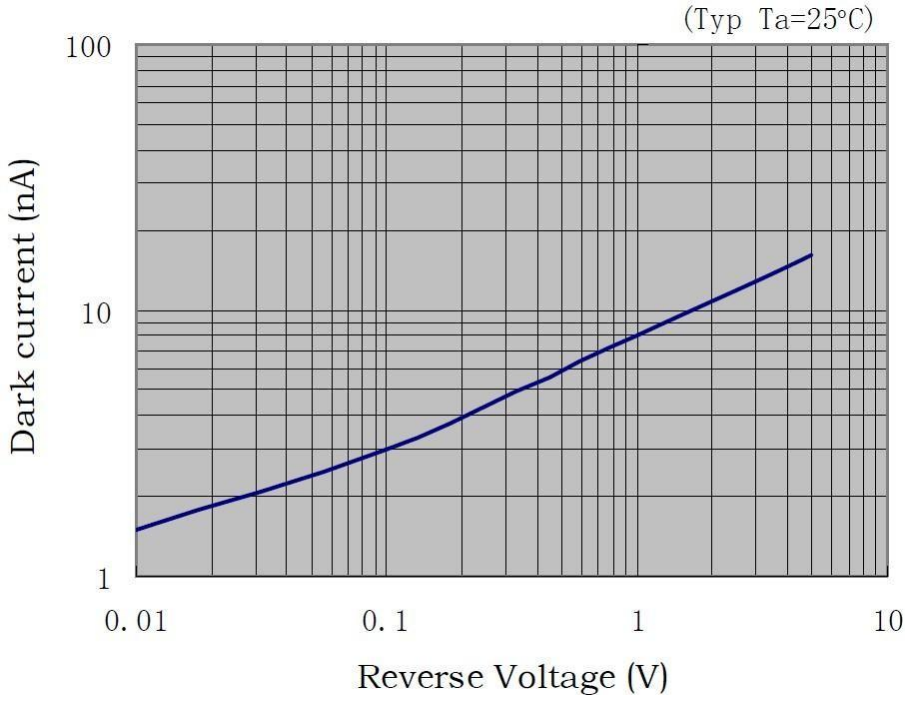
■ Short circuit current Vs.Illuminance



■ Dark Current Vs. Ambient Temperature



■ Dark Current Vs. Reverse Voltage



■ Notice:

- We reserve the right to update products without prior notice.
- Products must ensure -30 ℃ and +70 ℃ storage temperature. Storage time not more than 3 months.

  If you need long-term storage, must be in a vacuum environment. Colleagues, storage time should not exceed one year.
- The absolute prohibition of contact with the chip surface and the lead angle.
- Operation is requested to wear gloves and a dust mask dust
- To prevent static electricity damage.
- Do not damage the chip surface, otherwise it will affect the accurac y of the product.