

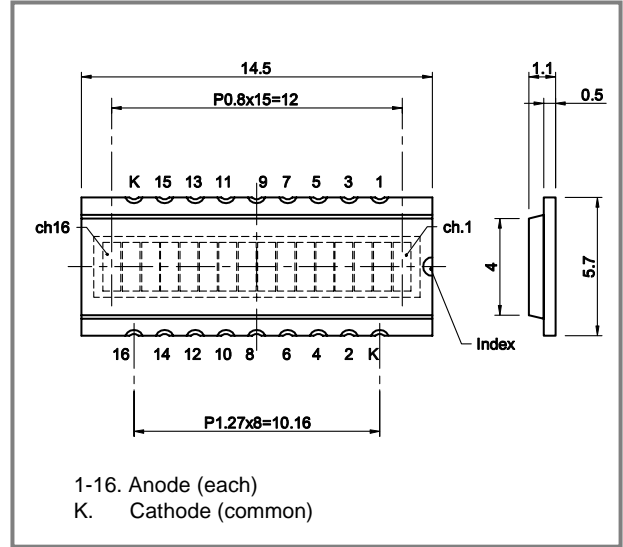
Features

- 16 channel array
- Transparent epoxy mold SMD package

Applications

- Optical switches
- Optical encoder
- Pulse detectors
- Sensors and industrial controls

Dimensions (unit: mm)



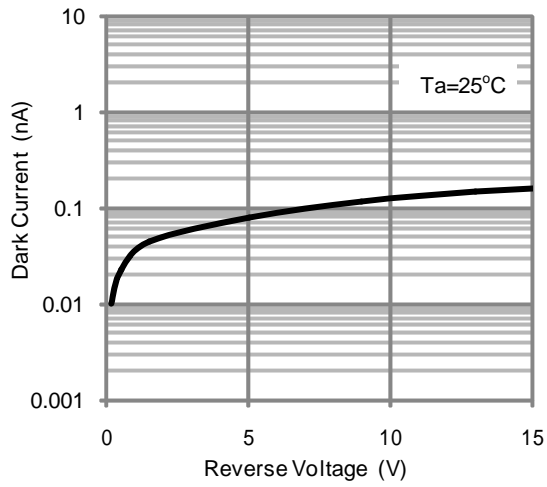
Absolute Maximum Ratings

Parameter	Symbol	Value	Unit	Note
Reverse voltage	V_R	15	V	
Reverse current	I_R	500	μA	
Forward current	I_F	10	mA	
Operating temperature	T_{opr}	-20 to +80	$^{\circ}C$	Avoid dew condensation
Storage temperature	T_{stg}	-30 to +100	$^{\circ}C$	Avoid dew condensation

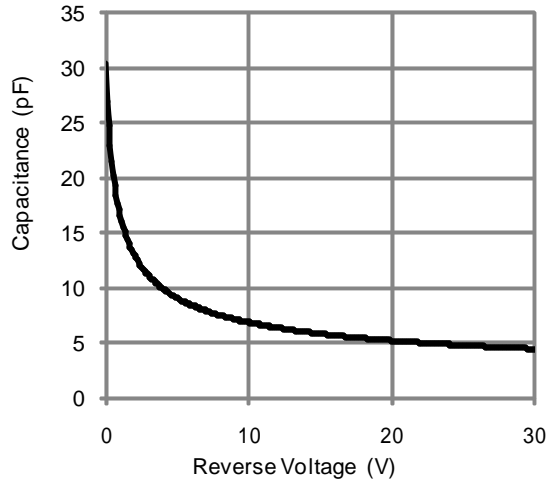
Electrical and Optical Characteristics (Ta=25 °C unless otherwise noted)

Parameter	Symbol	Min.	Typ.	Max	Unit	Test Conditions
Active area	S	0.74 x 2.0			mm ²	
Sensitive wavelength	λ	400	900(λ_p)	1000	nm	λ_p =Peak wavelength
Responsivity	R	-	0.54	-	A/W	λ =850nm
Cross talk	I_{sh}	-	-	-10	dB	λ =850nm, 20 μ m dia.
Dark current	I_D	-	-	1	nA	V_R =5V
Terminal capacitance	C_t	-	30	-	pF	V_R =0V, f=1MHz

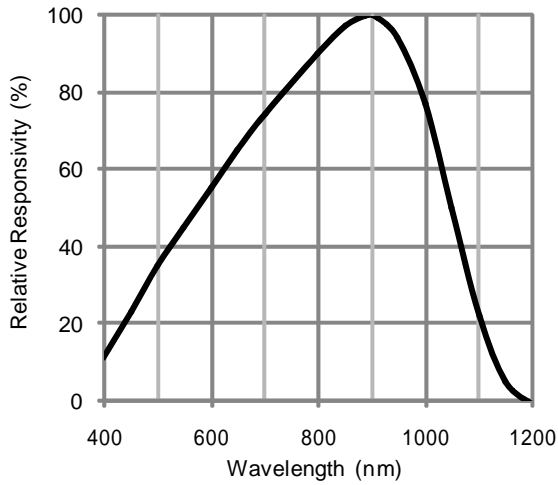
Dark Current - Reverse Voltage



Capacitance - Reverse Voltage



Spectral Responsivity



Cross Talk

