

The OHP-3MLR2 is a high-output, high-speed photodiode mounted in TO-18 type header with clear epoxy encapsulation. This photodiode has daylight filter.

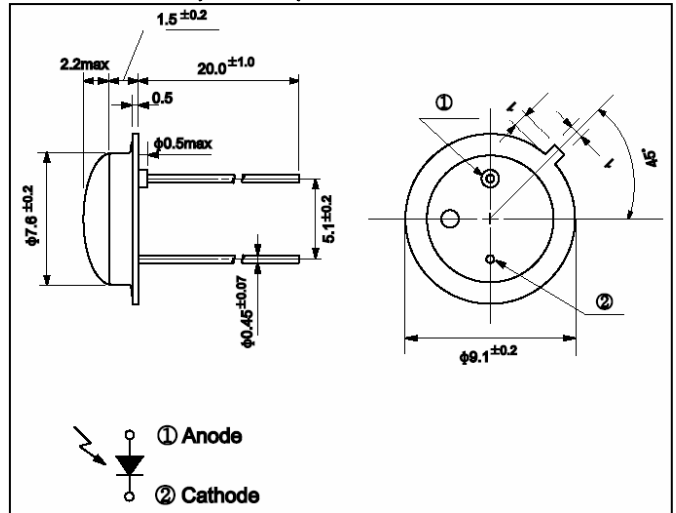
FEATURES

- High-output power
- High-speed response
- Wide angular response
- Relatively low-cost against metal can package

APPLICATIONS

- Optical detectors
- Optical switches

DIMENSIONS (Unit : mm)



MAXIMUM RATINGS

(Ta=25)

Item	Symbol	Rating	Unit
Reverse voltage	V_R	5	V
Operating temperature	Topr.	-20 +80	
Storage temperature	Tstg.	-20 +100	
Soldering temperature *1	Tsol.	260	

*1 For max. 5 seconds at the position of 2mm from the resin edge

ELECTRO-OPTICAL CHARACTERISTICS

(Ta=25)

Item	Symbol	Conditions	OHP-3MLR2			Unit
			Min.	Typ.	Max.	
Open Circuit Voltage	V_{OC}	$E_V=1,000$		0.38		V
Short Circuit Current	I_{SC}	Lux^2		60		μA
Dark Current	I_d	$V_R=5V$			1	μA
Curve Factor	C.F.		0.55			-
Capacitance	C_t	$V=0V, f=1MHz$		180		pF
Temp. Coefficient of V_{OC}	t			-2.2		mV/
Temp. Coefficient of I_{SC}	t			0.18		%/
Spectral Sensitivity			700	1,050		nm
Peak Wavelength	p			940		nm
Half Angle				± 60		deg.

*2 Color temp.=2856K standard Tungsten lamp

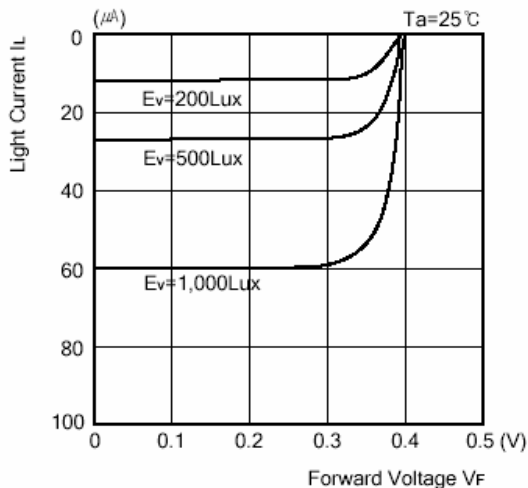


OPTO-SENSOR

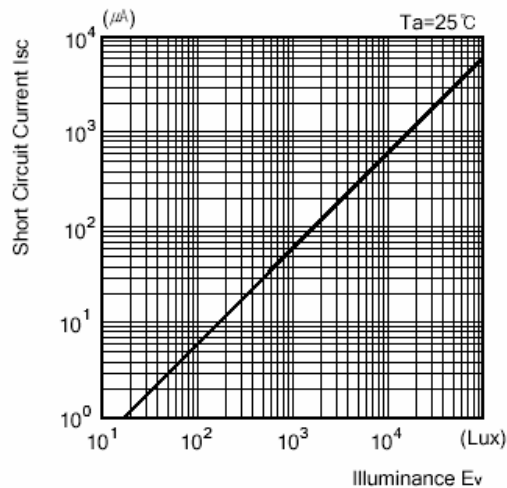
OHP-3MLR2

PHOTODIODES

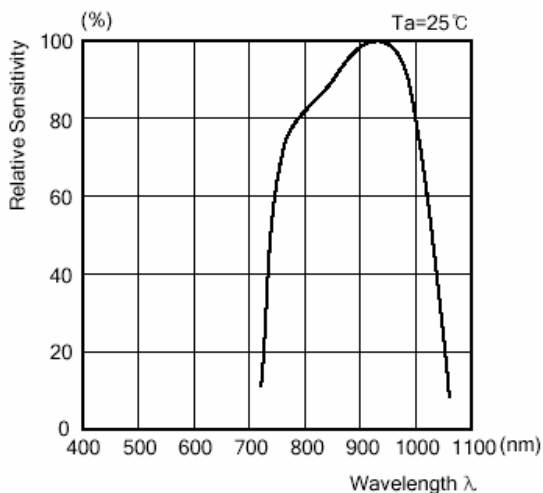
● Light Current / Forward Voltage I_L/V_F



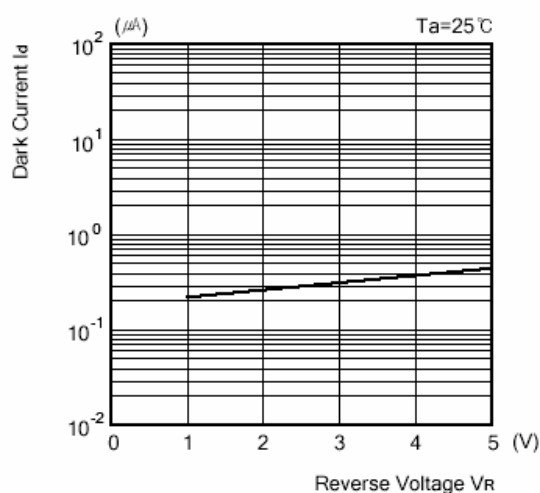
● Short Circuit Current / Illuminance I_{sc}/E_v



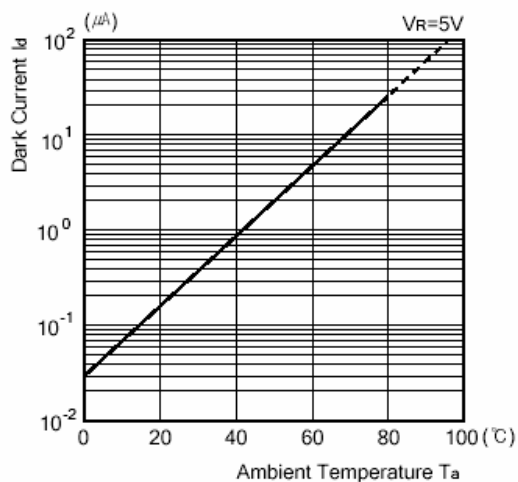
● Spectral Sensitivity



● Dark Current / Reverse Voltage I_d/V_R



● Dark Current / Ambient Temperature I_d/T_a



● Directive Characteristics

