

查询SP-3ML供应商

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急出货

KODENSHI

Photo diodes

SP - 3ML

The SP - 3ML, a silicon photodiode mounted in a TO - 5 type header with clear epoxy encapsulation, has wide angular response and is relatively low - cost as compared to TO - 18 can - type devices.

FEATURES

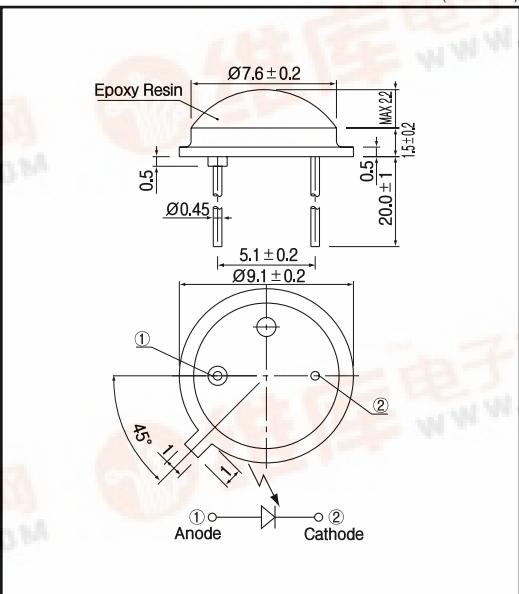
- High - output power
 - Relatively low - cost against metal can package
 - Wide angular response

APPLICATIONS

- Optical detectors
 - Infrared sensors
 - Smoke detectors

DIMENSIONS

(Unit : mm)



MAXIMUM RATINGS

(Ta=25)

Item	Symbol	Rating	Unit
Reverse voltage	V _R	5	V
Operating temp.	Topr.	- 20 ~ +80	
Storage temp.	Tstg.	- 30 ~ +100	
Soldering temp. ¹⁾	Tsol.	260	

*1. For MAX.5 seconds at the position of 2 mm from the package

ELECTRO-OPTICAL CHARACTERISTICS

(Ta=25 °C)

Item	Symbol	Conditions	Min.	Typ.	Max.	Unit.
Open circuit voltage	V_{oc}			0.38		V
Short circuit current	I_{sc}	$E_v = 1,000 \text{lx}^{-2}$	54	75		μA
Dark current	I_d		-	-	-	μA
Curve factor	C.F.		0.55			-
Capacitance	C_t	$V=0V, f=1\text{MHz}$		480		pF
Temperature coefficient of V_{oc}	t			-2.2		mV/°C
Temperature coefficient of I_{sc}	t			0.18		%/°C
Spectral sensitivity				450~1,050		nm
Peak wavelength	λ_p			900		nm
Half-angle				+60		deg

*2 Color temp - 3856K standard Tungsten lamp

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