

The OHS12MB is a silicon photodiode mounted in a T0-18 type header with clear epoxy encapsulation, provides wide angular response and is relatively low-cost as compared to T0-18 can-type devices.

### FEATURES

- Wide angular response.
- Low profile package.
- Relatively low-cost against metal can package.

### APPLICATIONS

- Optical detectors.
- Infrared sensors.
- Smoke detectors.



### ELECTRO-OPTICAL CHARACTERISTICS

( Ta=25°C )

Item	Symbol	Cond.	Min.	Typ.	Max.	Unit
Open circuit voltage	Voc	Ev=1,000Lux		0.4		V
Short circuit current	Isc		8	15.0		μA
Dark current	Id	VR=5V			0.1	μA
Cure factor	C.F		0.55			—
Capacitance	Ct	V=0V, f=1MHZ		50		Pf
Temperature coefficient of Voc	α t			-2.2		mV/°C
Temperature coefficient of Isc	β t			0.18		%/°C
Spectral sensitivity	λ		450~1,050			nm
Peak wavelength	λp			900		nm
Half angle	Δ θ			±60		deg.

### MAXIMUM RATINGS

( Ta=25°C )

Item	Symbol	Rating	Unit
Reverse voltage	VR	20	V
Operating temp.	Topr.	-25~+80	°C
Storage temp.	Tstg.	-30~+100	°C
Soldering temp. <sup>(1)</sup>	Tsol.	260	°C

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

