

The OHDP32MA is a high-output, high-speed photo diode mounted in a T0-39 type header with clear epoxy encapsulation.

## FEATURES

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

## APPLICATIONS

- Optical detectors
- Optical switches

## ELECTRO-OPTICAL CHARACTERISTICS

( Ta=25°C )

Item	Symbol	Cond.	Min.	Typ.	Max.	Unit
Open circuit voltage	Voc	Ev=1,000Lux		0.38		V
Short circuit current	Isc			75.0		μA
Dark current	Id	VR=5V			0.1	μA
Curve factor	C.F		0.55			—
Capacitance	Ct	V=0V, f=1MHZ		180		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 wavelenght	λp			900		nm
Half angle	Δ θ			± 60		deg.

## MAXIMUM RATINGS

( Ta=25°C )

Item	Symbol	Rating	Unit
Reverse voltage	VR	10	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

