

The OHDP16CD is a PIN photodiode for fiber optic communications, mounted in a durable, hermetically sealed T0-18 metal can package, which offer high speed response and high-output.

### FEATURES

- High-output power
- High-speed response
- Durable
- High reliability in demanding environments
- Chip position is near from glass cap

### APPLICATIONS

- Fiber Optic communications.



### ELECTRO-OPTICAL CHARACTERISTICS

( Ta=26°C )

Item	Symbol	Cond.	Min.	Typ.	Max.	Unit
Open circuit voltage	Voc	Ev=1,000Lux		0.35		V
Short circuit current	Isc		12	19		μA
Sensitivity	S	λp=850nm	0.4			A/W
Dark current	Id	VR=8V			10	nA
Curve factor	C.F		0.55			—
Capacitance	Ct	VR=8V, f=1MHZ		4	10	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			920		nm
Half angle	Δ θ			± 50		deg.

### MAXIMUM RATINGS

( Ta=25°C )

Item	Symbol	Rating	Unit
Reverse voltage	VR	50	V
Power dissipation	PD	100	mW
Operating temp.	Topr.	-30~+100	°C
Storage temp.	Tstg.	-40~+110	°C
Soldering temp. <sup>(1)</sup>	Tsol.	260	°C

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

