

The OHDP42CA is a high-output, high-speed silicon photodiode mounted in durable hermetically sealed T0-8 plastic cap package, which provides years of reliable performance even under demanding conditions such as use outdoors.

### FEATURES

- High-output power.
- High-speed response
- Wide angular response.

### APPLICATIONS

- Wireless receiving
- Infrared sensors
- Optical 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			170.0		μA
Dark current	Id	VR=5V			0.1	μA
Curve factor	C.F		0.55			—
Capacitance	Ct	V=0V, f=1MHz		1,050		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			±80		deg.

### MAXIMUM RATINGS

( Ta=25°C )

Item	Symbol	Rating	Unit
Reverse voltage	VR	10	V
Operating temp.	Topr.	-20~+90	°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

