

PD043P96 Hermetical sealing type Photodiode

PD043P96 is a PIN-photodiode featuring excellent responsibility and high photocurrent.
This PIN-photodiode consists of a large chip with 3.9mm*3.9mm active area mounted on the TO-39 stem and is hermetical sealed by metal can with ball lens .

These devices are designed to be easy of setting up optically with a wide angle of half sensitivity of ± 50 degree.

†Specifications

1)Product No.	Hermetical sealing type PIN-Photodiode	Outer Dimension
2)type No.	PD043P96	
3)Chip		
(1)Chip size	4.3mm*4.3mm	
(2)Active area	3.9mm*3.9mm	
4)Package		
(1)type	TO-39	
(2)Lens	Glass Flat Lens	
(2)Cap	Gold Plated	

†Absolute Maximum Ratings

Item	Symbol	Maximum Rated Value	Unit	Ambient Temperature
Reverse Broken down Voltage	V(BR)R	170	V	Ta=25 °C
Operating Temperature e	TOPR	-25~+100	°C	
Storage Temperature	TSTG	-30~+125	°C	
Soldering Temperature	TSOL	240	°C	

Soldering condition : Soldering condition must be completed within 2 seconds at 240°C

†Electro-Optical Characteristics (Ta=25 °C)

Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Reverse Photo Current	IL	VR=10V L=1000LX		100		uA
Reverse Dark Current	Id	VR=10V		10	50	nA
Open Circuit Voltage	Voc	VR=10V L=1000LX		350		mV
Spectral Responsibility (peak)				900		nm
Half Angle Sensitivity				± 50		deg.
Total capacitance	Ct	VR=10V f=1MHz		475		pF
Rise / Fall time (10%-90%)	Tr	RL=1k VR=10V		50		ns
	Tf			50		ns

EPITEX INC.: 4, Nishiaketa-cho, Higashi-Kujoyo, Minami-Ku, Kyoto, Japan

Tel:++81-75-682-2338 Fax:++81-75-682-2267

e-mail: sales-dep@epitex.com <http://www.epitex.com>