MITSUBISHI PHOTO DIODES

PD7XX26 SERIES

InGaAs PIN PHOTO DIODES

PD793D26

DESCRIPTION

PD793D26 Series are InGaAs pin photodiodes which has a sensitive area of f 20mm.
PD7XX26 is suitable for receving the light having a wavelength band of 1000 to 1600nm.
This photodiode features high-speed response and a high quantum efficiency, and is suitable for the light receiving elements for optical fiber communication systems.

Feature

- f20mm active diameter
- 1000~1600nm wavelength band
- Small dark current
- High speed response
- High quantum efficiency

APPLICATION

Receiver for optical communication system

ABSOLUTE MAXIMUM RATINGS

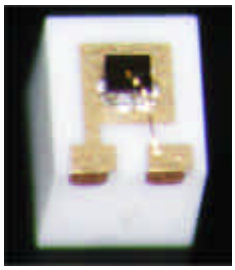
Symbol	Parameter	Conditions	Ratings	Unit
Vr	Reverse voltage	-	20	V
Ir	Reverse current	-	500	mA
If	Forward curent	-	2	mA
Tc	Case temperature	-	-40 ~ +85	° C
Tstg	Storage temperature	-	-40 ~ +100	° C

ELECTRICAL / OPTICAL CHARACTERISTICS (Tc=25°C)

Symbol	Parameter	Test conditions	Limits			Unit
			Min.	Typ.	Max.	
Ct	Capacitance	Vr=5V, f=1MHz	-	0.16	0.30	pF
Id	Dark current	Vr=5V	-	0.5	2.0	nA
R	Responsivity	Vr=5V, l=1300nm	0.75	0.85	-	A/W
fc	Cut-off frequency	Vr=5V, l=1300nm, RL=50W, -3dB	8	10	-	GHz

OUTLINE DRAWINGS

PD793D26



☞ Alumina submount