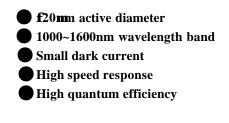
PD793D26

DESCRIPTION

PD793D26 Series are InGaAs pin photodiodes which has a sensitive area of **f**20**m**. 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.





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
Тс	Case temperature	-	-40 ~ +85	• C
Tstg	Storage temperature	-	-40 ~ +100	° C

ELECTRICAL / OPTICAL CHARACTERISTICS (Tc=25°C)

Symbol	Parameter	Test conditions	Limits			Unit
		Test conditions	Min.	Тур.	Max.	Omt
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, 1 =1300nm, RL=50 W , -3dB	8	10	-	GHz

PD7XX26 SERIES

