

# Polarization Maintaining Tap Photo Detector Monitor

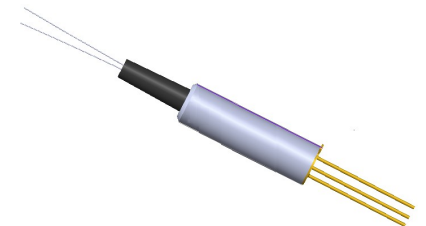
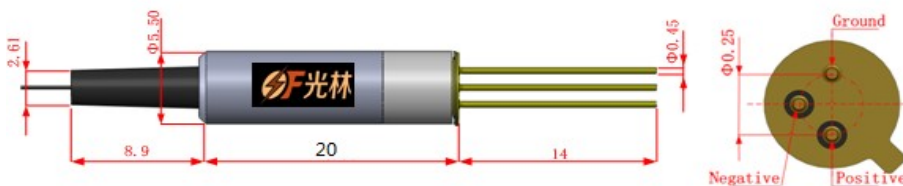
## Product Features

The PM TPD is an optical power monitoring device consisting of individual tap-integrated photo detectors. Our PM-TPD is manufactured with PMF (Polarization Maintaining Fiber) and it is very compact and is easily mounted on a PCB for system use. Optical properties are excellent and include a broad wavelength range covering C and L - band with low insertion loss and high sensitivity

## Specifications

Parameter	Value		
Operating wavelength	1260~1360 and 1460~1620 and 1260~1620		
Tap ratio	1%	3%	5%
Responsibility (mA/W)	7 to 12	14 to 24	40 to 60
Insertion loss (dB)	0.5	0.7	0.8
WDL (dB)	≤0.3		
ER (dB)	≥20		
TDL (dB)	≤0.3		
Return Loss (dB)	≥45		
Dark Current(Vr=5V, 25°C) (nA)	≤5.0 (1.0 Typical)		
Reverse Voltage (V)	20		
Forward Current (mA)	≤10		
Capacitance(Vr=5V, f=1MHz) (pF)	≤8.0 (5.0 Typical)		
Bandwidth(RL=50Ω, -3dB) (GHz)	2		
Fiber Type	SM13-PS-U25D and SM15-PS-U25D		
Operating temperature (°C)	-5 ~ +70		
Storage temperature (°C)	-40 ~ +85		
Max input power (mW)	≤500		
Dimensions (mm)	Normal Size: Φ5.5 × L20		

## Package Dimensions



Ordering Information							
PM TPD	Wavelength	CR	Pigtail Type	Fiber Type	Length	Connector	Size
	13=1310 15=1550 XX-1260~1620	1% 3% 5%	250um bare fiber 900um loose tube	PM1310 PM1550	1m	None FC/APC Other	5.5x20

