

Unidirectional Tap Photo Detector (TPM)

Features

Low Insertion Loss
Compact Size, Integrated Device
Customized Tap Ratio Available
RoHS Compliant

Applications

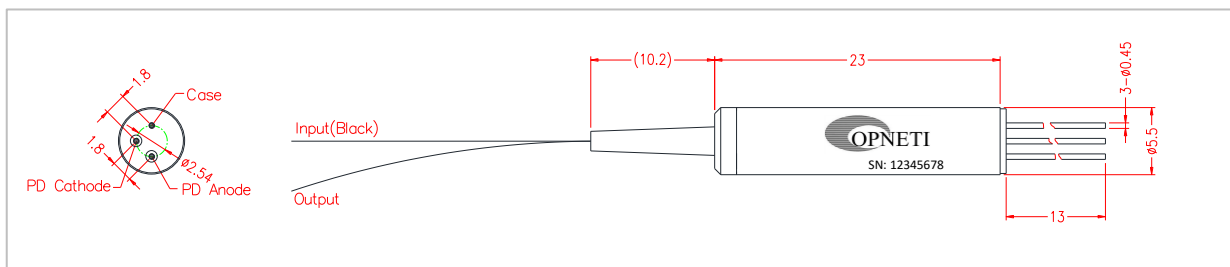
WDM Channel Monitoring
Gain Monitoring for Amplifier
Optical Network Switch
Protection Monitoring

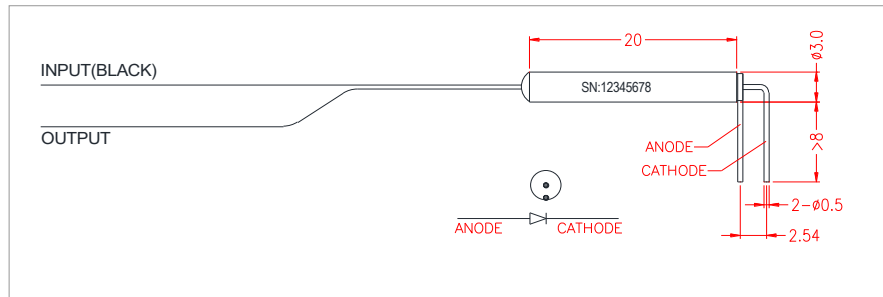


Specifications

Parameters	Unit	Values		
Operating wavelength	nm	1260~1620		
Tap ratio		1%	3%	5%
Responsibility	mA/W	8	25	40
Insertion Loss	dB	0.35		
Dark Current	nA	≤5.0 (1.0 Typical)		
Reverse Voltage	V	≤20		
Forward Current	mA	≤10		
PD Responsivity Directivity	dB	≥26		
Capacitance	pF	≤3		
Bandwidth	GHz	≥1		
WDL	dB	≤0.3		
PDL	dB	≤0.1		
TDL	dB	≤0.3		
PMD	ps	≤0.2		
Return Loss	dB	≥45		
Fiber Type		SMF-28e		
Fiber Bend Radius	mm	≥15		
ESD	V	≤500		
Input Power	mW	≤100		
Relative Humidity – Storage	%	≤90		
Lead solder Temperature	°C	260		
Lead solder Duration	s	10		
Operating Temperature	°C	-10 ~ +70		
Storage Temperature	°C	-40 ~ +85		
Dimensions	mm	Φ5.5XL23; Φ3.0XL20		

Package Dimensions





Units: mm Tolerance: x±0.3 mm xx ±0.1 mm

Ordering Information

TPM- ①①①①-②-③③③-④-⑤-⑥⑥-⑦⑦⑦⑦⑦⑦⑦

①	Wavelength	1310; 1550; 1310/1550;
②	Tap Ratio	1=1%; 3=3%; 5=5%;
③	Pigtail Type	250=250μm Fiber; 900=900μm Loose Tube;
④	Fiber Type	1=SMF-28e;
⑤	Fiber Length	1=1m;
⑥	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; LC=LC/UPC; XX=Others;
⑦	Package Size	5.5X23; 3X20;