

## PON WDM INTEGRATED WITH PD

### Features

- Low insertion loss & high isolation
- Extended operating temperature range
- Optical path epoxy free
- Integrated devices, compact size
- Telcordia compliant
- RoHS compliant

### Applications

- PON system
- FTTx network



### Specifications

Parameter	Specification	Unit	
Operating Wavelength Range	1310 band: 1260~1360	Nm	
	1490 band: 1480~1500		
	1550 band: 1550~1560		
Isolation Type	Standard      High Isolation	nm	
Reflection Insertion Loss	Max 0.6 (Typ 0.4)	1.0 (Typ 0.8)	dB
Reflection Isolation	Min 15	45	dB
Return Loss	Min 45	45	dB
Polarization Dependent Loss	Max 0.1	0.2	dB
Analog PD Responsivity (at 25°C)	Typ 0.9	0.9	mA/mW
CSO (at 25°C)	Min 70	70	dBc
CTB (at 25°C)	Min 75	75	dBc
Dark Current (at 25°C)	Max 1	1	nA
Bandwidth	Max 1	1	GHz
Operating Temperature Range	-40~+85		°C
Storage Temperature Range	-40~+85		°C
Maximum Power Handling	300		mW
Package Dimension (L*φ)	30*5.6		mm

1. All values referenced without connector.

### Order Information

#### TFWPD-A-B-C-D

A	Isolation Type	S: Standard H: High isolation
B	Operating Wavelength	534: 1550 pass / 1310&1490 reflect
C	Fiber Type	1: 250m bare fiber 2: 900m tight buffer fiber
D	Connector Type	0: Without connector 1: FC/PC 2: FC/UPC 3: FC/APC 4: SC/PC 5: SC/UPC 6: SC/APC 7: ST 8: LC 9: MU X: Customized