

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