

3-Port CWDM Device

Features

- Low insertion loss, high isolation
- Excellent thermal stability
- Optical path epoxy free
- Telcordia compliant
- RoHS compliant

Applications

- CWDM system
- Metro and Access networks
- CATV network



Main Specifications

Parameter	Max	Min	Specification	Unit
Channel Center Wavelength			1270 ~ 1610 or 1271 ~ 1611	nm
Channel Spacing			20	nm
Channel Clear Passband			ITU $\pm$ 7	nm
Transmission Insertion Loss	√		0.8 (Typ 0.6)	dB
Reflection Insertion Loss	√		0.6 (Typ 0.4)	dB
Passband Ripple	√		0.3	dB
Transmission Isolation		√	30	dB
Reflection Isolation		√	12	dB
Return Loss		√	45	dB
Directivity		√	45	dB



Parameter	Max	Min	Specification	Unit
Polarization Dependent Loss	√		0.15	dB
Operating Temperature Range			-5~+70	°C
Storage Temperature Range			-40~+85	°C
Maximum Power Handling			300	mW
Package Dimension (L*Φ)			38*5.5 or 35*3.5	mm

Notes:

All values referenced without connector.

Order Information
CWDM-3P-A-B-C-D

A	Center Wavelength	1471: 1471 nm 1470: 1470 nm
B	Fiber Type	1: 250 μm bare fiber 2: 900 μm tight buffer fiber
C	Package Dimension	1: 38*Φ5.5 2: 35*Φ3.5
D	Connector Type	0: without connector 1: FC/UPC 2: FC/APC 3: SC/UPC 4: SC/APC 5: LC/UPC X: customized

Example

Part number of "CWDM-3P-1471-1-1-X" represents a 3-Port CWDM Device with:

- 1471 nm wavelength
- 250 μm bare fiber
- 38*Φ5.5 package dimensions
- customized connector

- The above specifications represent the typical performance of an O-Net CWDM device of this category.
- Please contact our Sales to discuss your specific requirements.