

1x2 CWDM Device (3 Ports)

1、 Cable Drawing



2、 Description

(CWDM) Coarse wavelength division multiplexer, utilizes thin film coating technology and proprietary design of non-flux metal bonding micro optics packaging. It provides low insertion loss, high channel isolation, wide pass band, low temperature sensitivity and epoxy free optical path .

3、 Features

- Low Insertion Loss
- Excellent Channel Isolation
- High stability & reliability
- Epoxy free on optical path
- Wide pass band

4、 Application

- Fiber optical amplifier,
- Line monitoring
- CWDM Networks & Systems
- CATV Fiber Optical Links
- Accessing LAN Networks

5. Specification

Parameter		Specification
Channel Wavelength (nm)		1270~1610 or 1271~1611
Channel Spacing (nm)		20
Channel Pass band		$> \pm 6.5 / \pm 7.5$
Pass Channel Insertion Loss (dB)		≤ 0.6
Reflection Channel Insertion Loss (dB)		≤ 0.4
Channel Ripple (dB)		< 0.3
Isolation (dB)	Adjacent	≥ 30
	Non-adjacent	≥ 40
Inertion Loss Temperature Sensitivity (dB/°C)		< 0.005
Wavelength Temperature Shifting (nm/°C)		< 0.002
Polarization Dependent Loss (dB)		< 0.1
Polarization Mode Dispersion (ps)		< 0.1
Directivity (dB)		> 50
Return Loss (dB)		> 45
Maximum Power Handling (mW)		300
Operatring Temperature (°C)		-20~+75
Storage Temperature (°C)		-40~+85
Package dimension (mm)		$\Phi 5.5 \times 54(A) / 250\mu\text{m}$ bare fiber
		$\Phi 5.5 \times 38(B) / 900\mu\text{m}$ loose tube

Notes:

1. All values specified are without connectors.
2. IL will increase 0.2dB when add one connector.
3. Customized service is available.

6. Dimension

