

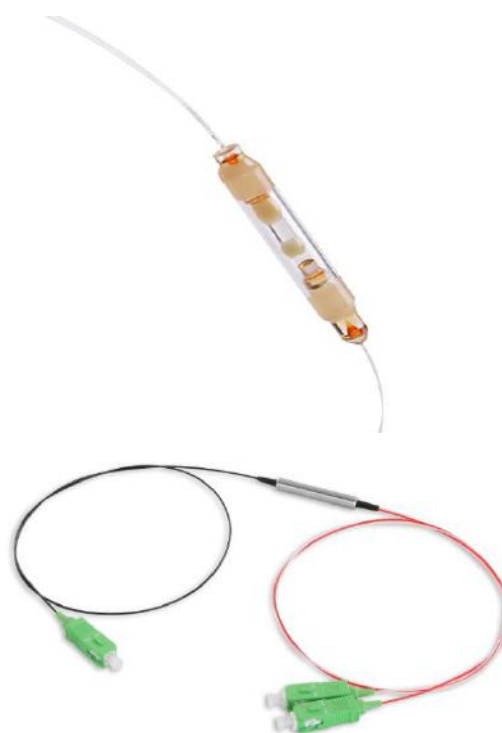
TFF CWDM 3 Ports Device

Features

- Automatic Optical alignment
- Optical path epoxy free
- Low insert loss & high isolation
- Telcordia-GR-1221-Core qualified
- RoHS compliant

Applications

- PON system
- FTTx network
- CWDM system
- Add/drop channel



Specifications

Parameter		Unit	Specification
Channel Center Wavelength		nm	1270,1290...1610 or 1271, 1291...1611
Channel Spacing		nm	20
Bandwidth@-0.5dB		nm	$\geq 13 (\lambda_c \pm 6.5\text{nm})$
Port of Transmission (Port1=>Port2)	Transmission Insertion Loss	dB	≤ 0.6 (Typical 0.4)
	Adjacent Channel Isolation	dB	> 30
	Non-Adjacent Channel Isolation	dB	> 45
	Pass Band Ripple	dB	≤ 0.3
	PDL	dB	≤ 0.15
Port of Reflection (Port1=>Port3)	Reflection Insertion Loss	dB	≤ 0.5 (Typical 0.3)
	PDL	dB	≤ 0.15
	Isolation of Reflection @ Pass Band	dB	≥ 13
Insertion Loss Temperature Stability		dB / $^{\circ}\text{C}$	≤ 0.005
Wavelength Temperature Stability		nm / $^{\circ}\text{C}$	≤ 0.003
Return Loss		dB	≥ 45
Polarization Mode Dispersion		Ps	≤ 0.10
Directivity		dB	≥ 45
Power Handling		mW	300
Operating Temperature		$^{\circ}\text{C}$	-40~+85
Storage Temperature		$^{\circ}\text{C}$	-40~+85
Fiber Type		--	Corning SMF-28 Ultra, G657A1/A2 or customer specified

Information and specifications are subject to change without notice.
Please visit www.china-tscom.com for more information

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Pigtail type	--	Ø250µm Bare Fiber or Ø0.9mm loose tube
Fiber length	m	1.0 ,or customer specified
Package Dimension	mm	Steel Tube: Ø5.5x34 for 250µm bare fiber, Ø5.5x38 for Ø0.9mm loose tube; Glass Tube: Ø4.0x26 for Ø250µm bare fiber, Ø3.2x26 for Ø250µm bare fiber;

Note:

- Insertion loss excluding connector loss. With connectors add 0.3dB;
- Connectors can be customized on request.