

TFF DWDM 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
- DWDM system
- Add/drop channel

Specifications

Parameter		Unit	Specification	
Operating Wavelength		nm	C/L Band	
Channel Spacing		GHz	100	200
Channel Center Wavelength		nm	ITU grid	
Channel Passband@-0.3dB		nm	$\geq 0.22(\lambda_{ITU} \pm 0.11)$	$\geq 0.5(\lambda_{ITU} \pm 0.25)$
Port of Transmission (Port1=>Port2)	Transmission Insertion Loss	dB	≤ 0.8 (Typical 0.6)	≤ 0.8 (Typical 0.6)
	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	> 12	
Insertion Loss Temperature Stability		dB / °C	≤ 0.003	
Wavelength Temperature Stability		nm / °C	≤ 0.001	
Return Loss		dB	≥ 45	
Polarization Mode Dispersion		Ps	≤ 0.10	
Directivity		dB	≥ 45	
Power Handling		mW	300	
Operating Temperature		°C	-40 ~ +85	
Storage Temperature		°C	-40 ~ +85	

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

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Fiber Type	--	Corning SMF-28 Ultra, G657A1/A2 or customer specified
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.