

O_Band 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	O_Band(1260 ~ 1360)			
Channel Spacing		GHz	150	200	400	800
Channel Center Wavelength		nm	ITU grid			
Channel Plan		nm	See channel wavelength Plan			
Port of Transmission (Port1=>Port2)	Transmission Insertion Loss	dB	≤0.8(Typical 0.6)			
	Adjacent Channel Isolation	dB	> 25			
	Non-Adjacent Channel Isolation	dB	> 35			
	Pass Band Ripple	dB	≤0.5			
	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			

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

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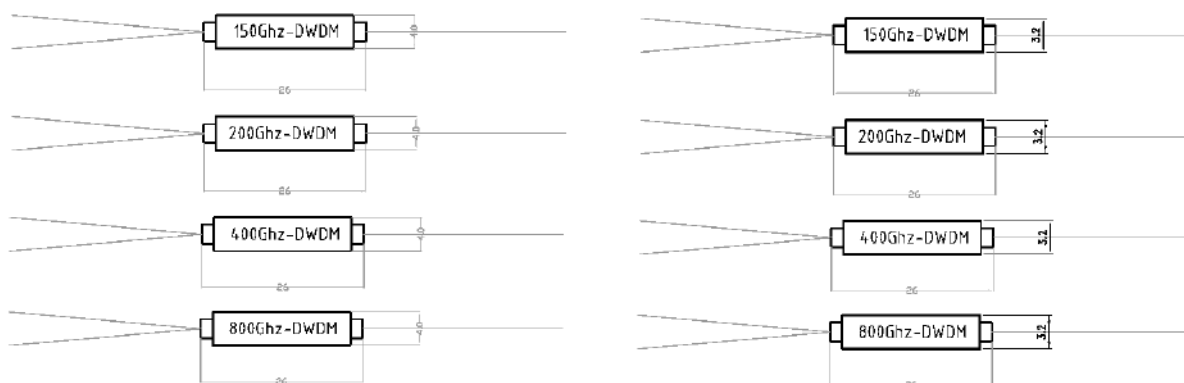
Operating Temperature	°C	-40~+85
Storage Temperature	°C	-40~+85
Fiber Type	--	Corning SMF-28 Ultra, G657A1/A2 or customer specified
Pigtail type	--	Ø250µm Bare Fiber or Ø0.9mm loose tube
Fiber length	m	1.0 ,or customer specified
Package Dimension	mm	Steel Tube: Ø5.5x34 for 250µm bare fiber ,Ø5.5x38 for Ø0.9mm loose tube; Glass Tube: Ø4.0x26 for Ø250µm bare fiber ,Ø3.2x26 for Ø250 µm bare fiber;

Note:

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

Channel wavelength Plan

WL_NO	Frequency(GHz)	WL1(50Ghz)	WL2(100Ghz)	WL3(150Ghz)	WL4(200Ghz)	WL5(400Ghz)	WL6(800Ghz)
Q14	231450	1295.280					
O14	231400	1295.559	1295.559		1295.559	1295.559	1295.559
Q13	231350	1295.839		1295.839			
O13	231300	1296.120	1296.120				
Q12	231250	1296.400					
O12	231200	1296.680	1296.680	1296.680	1296.680		
Q11	231150	1296.961					
O11	231100	1297.241	1297.241				
Q10	231050	1297.522		1297.522			
O10	231000	1297.803	1297.803		1297.803	1297.803	
Q09	230950	1298.084					
O09	230900	1298.365	1298.365	1298.365			
Q08	230850	1298.646					
O08	230800	1298.927	1298.927		1298.927		
Q07	230750	1299.209		1299.209			
O07	230700	1299.490	1299.490				
Q06	230650	1299.772					
O06	230600	1300.054	1300.054	1300.054	1300.054	1300.054	1300.054
Q05	230550	1300.336					
O05	230500	1300.618	1300.618				
Q04	230450	1300.900		1300.900			
O04	230400	1301.183	1301.183		1301.183		
Q03	230350	1301.465					
O03	230300	1301.748	1301.748	1301.748			
Q02	230250	1302.030					
O02	230200	1302.313	1302.313		1302.313	1302.313	
Q01	230150	1302.596		1302.596			
O01	230100	1302.879	1302.879				

DWDM Device Type:

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