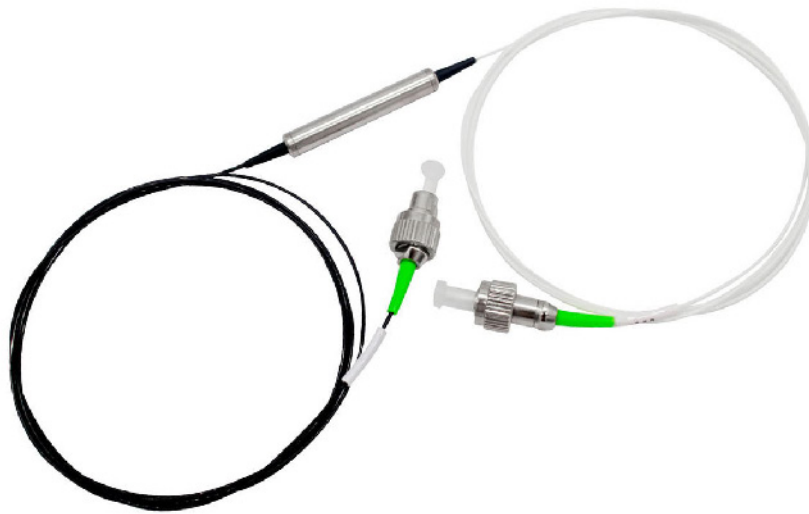


DWDM Device



Features

- Low Insertion Loss
- Wide pass band
- High Channel Isolation
- High Stability and reliability

Applications

- Channel Add/Drop
- DWDM Network
- Fiber Optical Amplifier

Description

100GHz/200GHz 3port FTT devices is mainly used in passive wavelength division multiplexing module, are available on ITU channel spacing of 100GHz/200GHz DWDM spacing, It provides ITU channel center wavelength, low insertion loss, high channel isolation, wide pass band, low temperature sensitivity and epoxy free optical path ,to provide excellent performance and reliability.

Performance Specifications

Parameter Channel Spacing		100GHz	200GHz
Channel Wavelength(nm)		1530.33~1560.61 (21~59 TU grid)	
Center wavelength Accuracy(nm)		±0.05	±0.1
Channel Spacing (GHz)		100	200
Channel Passband (@-0.5dB bandwidth) (nm)		>0.22	>0.5
Insertion Loss Pass Channel(dB)		≤0.8	≤0.9
Insertion Loss Reflect Channel(dB)		≤0.4	
Channel Ripple(dB)		0.3	
Isolation (dB)	Adjacent	>30	
Isolation (dB)	Non-adjacent	>40	
Reflection Channel Isolation (dB)		> 13	
Insertion Loss Temperature Sensitivity(dB/°C)		≤0.003	
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)		>50	
Maximum Power Handling(mW)		500	
Operating Temperature(°C)		-10~80	
Storage Temperature (°C)		-40~85	
Package dimension(mm)		1. Ø5.5 x L34 Bare	2. L38mm for 900um

Order information

Channel Spacing	Channel Wavelength	Fiber type	Pigtail Type	Fiber length	Connector
100=100G	O:1260~1360nm	1-G652D	A—Bare fiber	00—Other	1—FC/UPC
200=200G	E+S:1360~1530nm	2-G657A	B—900um loose tube	05—0.5m	2—FC/APC
	C:1530~1565nm	3-Other	C—900um tight tube	10—1m	3—SC/UPC
	L:1565~1625		D—2.0mm loose tube	15—1.5m	4—SC/APC
	C20= 1561.42 nm		E—3.0mm loose tube	20—2 m	5—LC/UPC
				6—LC/APC
					7—Other