

FWDM Mux&Demux LGX Module



Features

- Wide Wavelength Range
- Low Insertion Loss
- High Channel Isolation
- High stability and reliability

Applications

- System Monitoring
- WDM system
- Transmitters and Fiber
- Fiber optical amplifier
- Fiberoptic Instruments

Description

3port TFF devices are available on ITU Channel of FWDM spacing. These thin film filter products utilize hermetic and epoxy-free optical patch technology to provide excellent performance and reliability. Teclordia GR1221-CORE and RoHS compliance.

Performance Specifications

Parameter		T1550	R1310&1490
Pass Band Wavelength Range (nm)		1540~1560	
Reflection Band1 Wavelength Range (nm)		1260 ~ 1360	
Reflection Band2 Wavelength Range (nm)		1480~1500	
Insertion Loss (dB)	Reflect Channel	≤0.6	
Insertion Loss (dB)	Pass Channel	≤0.8	
Pass Band Rippler(dB)		<0.3	
Isolation (dB)	Reflect Channel	> 15	
Isolation (dB)	Pass Channel	>30	
Insertion Loss Temperature Sensitivity (dB/°C)		<0.005	
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)		0 ~+70	
Storage Temperature (°C)		-40 ~+85	
Package Dimension (mm)		1. Φ5.5 x L35(bare fiber) 2. Φ5.5 x L38(900um Loose tube) 3. L90xW20xH9.5(2.0 mm or 3.0mm Cable)	
Above specification are for device without connector.			

Order Information

Product	Wavelength	Fiber Type	Fiber Length	Connector
FWDM	3/45=1310pass/1490&1550reflect	1=250um bare fiber	1=1m	0=None
	4/35=1490pass/1310&1550reflect	2=900um Loose tube	1.5=1.5m	1=FC/APC
	5/34=1550pass/310&1490reflect	3=2.0mm Cable	C=Customerization	2=FC/PC
		4=3.0mm Cable		3=SC/APC
				4=SC/PC
				5=LC