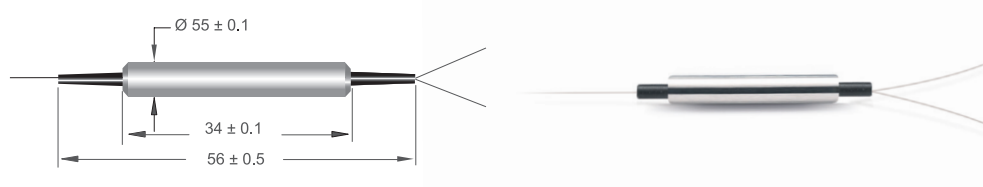


- Low Insertion Loss
- High Channel Isolation
- Epoxy-Free in Optical Path
- Excellent thermal stability
- Telcordia GR-1221 Compliant
- Telcordia GR1209 Compliant

DENSE WAVELENGTH DIVISION MULTIPLEXER (DWDM)



DWDM devices utilize thin-film filter technology. Individual components are available on ITU channel spacing of 200 and 100 GHz. These devices exceed the requirements of Telcordia GR-1221. DWDM devices demonstrate low loss, temperature insensitivity, and reliable performance. Compact modules are

also available with low insertion loss, low crosstalk, and wide passband with high isolation, which enables users to establish a low cost bi-directional optical communication system.

SPECIFICATIONS*

PARAMETERS		VALUE		UNIT
Center Wavelength		C/L band, ITU-T grid		nm
Channel Spacing		0.8 (100GHz)	1.6 (200GHz)	nm
Channel Passband	Min	ITU±0.11	ITU±0.25	nm
Transmission Insertion Loss	Max	1.2 (Typ 0.8)	1.0 (Typ 0.7)	dB
Reflection Insertion Loss	Max	0.6 (Typ 0.4)		dB
Passband Ripple	Max	0.5		dB
Transmission Isolation	Min	28	30	dB
Reflection Isolation	Min	12		dB
Return Loss	Min	45		dB
Directivity	Min	50		dB
Polarization Dependent Loss	Max	0.15	0.1	dB
Polarization Mode Dispersion	Max	0.1		ps
Insertion Loss Temperature Sensitivity	Max	0.005		dB/°C
Power Handling	Max	500		mW
Operating Temperature Range		0 ~ +70		°C
Storage Temperature Range		-40~ +85		°C

*Note: Specifications without fiber connectors, LGX Box / 19' Rack Packaging option is available upon request.

ORDER CODES

CODE	TYPE	WAVELENGTH ITU GRID	PACKAGE	FIBER JACKET	CONNECTOR TYPE	FIBER LENGTH
F4M-DWDM	1	100G	S Specify	1 05.5xL34 mm	25 250µm Bare Fiber	0 None
	2	200G	S Specify	2 10x20x90mm	9L 900µm Loose Tube	A SC/UPC
	3	50G		S Specify	2M 2.0mm Loose Tube	B SC/APC
				3M 3.0mm Loose Tube	C FC/UPC	
				S Specify	D FC/APC	
					E LC/UPC	
					Q LC/APC	
					S Specify	

ORDER CODE example:

F4M-DWDM - 3 - S - S - 25 - 00 - S