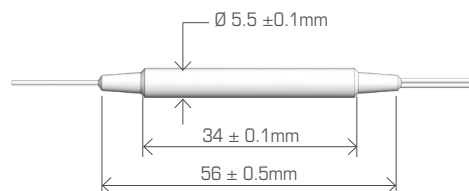




DENSE WAVELENGTH DIVISION MULTIPLEXER

DWDM SERIES



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.

PARAMETERS		VALUE		UNIT	
SPECIFICATIONS	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		-40 ~ +70		°C
Storage Temperature Range		-40 ~ +85		°C	

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

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	10	1m
	2	200G			2	10x20x90mm	9L	900µm Loose Tube	A	SC/UPC	S	Specify
	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

