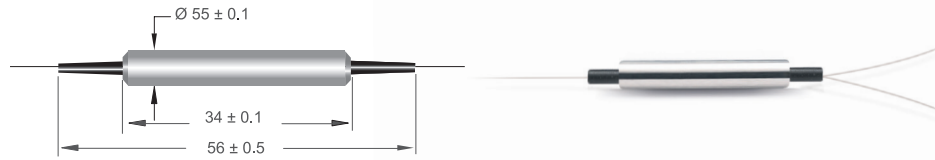


- Low Insertion Loss
- High Channel Isolation
- Flat and Wide Passband
- Low Polarization Dependent Loss
- Epoxy-Free Optical Path
- Exceptionally Stable and Reliable
- Telcordia GR-1221 Compliant
- Telcordia GR1209 Compliant
- Thin-Film-Filter based

## COARSE WAVELENGTH DIVISION MULTIPLEXER (CWDM)



The Coarse Wavelength Division Multiplexing (CWDM) devices utilize thin-film filter technology and are available in various wavelength combinations based on the entire wavelength spectrum (1270nm~1610nm in 20nm increments) defined by the ITU G.694.2 CWDM standard.

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
			MUX (ADD)	DEMUX (DROP)	
Center Wavelength			1470,1490~1610 or 1471,1491~1611		nm
Channel Spacing			20		nm
Channel Passband			Min	+/-6.5	nm
Insertion Loss	Adjacent Channel	Max	0.6		dB
	Non-Adjacent Channel	Max	0.4		dB
Isolation	Adjacent Channel	Min	30	30	dB
	Non-Adjacent Channel	Min	15	15	dB
Ripple in Passband			Max	0.3	dB
Polarization Dependent Loss			Max	0.1	dB
Directivity			Min	55	dB
Return Loss			Min	50	dB
Polarization Mode Dispersion			Max	0.1	ps
Power Handling			Max	500	mW
Fiber Type			Corning SMF-28 / SMF-28e		
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	PACKAGE	FIBER JACKET	CONNECTOR TYPE	FIBER LENGTH	
F4M-CWDM	1	ITU	27 1270nm	1 Ø5.5xL34 mm	25 250µm Bare Fiber	O None	10 1m
	2	ITU+1	.. ..	2 10x20x90mm Tube	9L 900µm Loose Tube	A SC/UPC	S Specify
			47 1470nm	S Specify	2M 2.0mm Loose Tube	B SC/APC	
			49 1490nm		3M 3.0mm Loose Tube	C FC/UPC	
			.. ..		S Specify	D FC/APC	
			59 1590nm			E LC/UPC	
			61 1610nm			Q LC/APC	
			S Specify			S Specify	

ORDER CODE example:

F4M-CWDM - 1 - S - S - 25- 00 - S