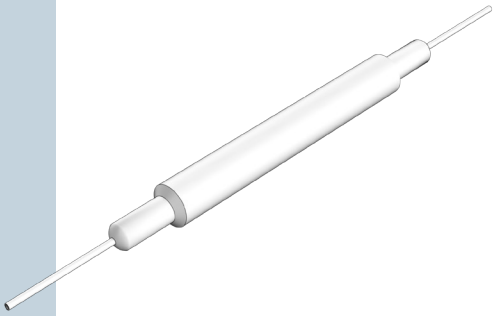
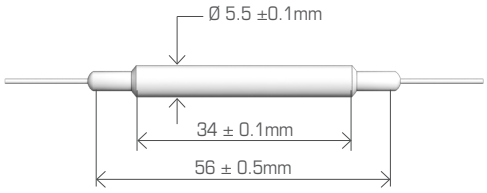
CWDM SERIES

COARSE WAVELENGTH DIVISION MULTIPLEXER





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			SMF-28e		
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.

F4M-CWDM

CODE	TYPE		WAVELENGTH		PACKAGE		FIBER JACKET		CONNECTOR TYPE		FIBER LENGTH	
	1	ITU	27	1270nm	1	Ø5.5×L34 mm	25	250μm Bare Fiber	0	None	10	1m (Std.)
	2	ITU+1	..	..	2	10×20×90mm Tube	9L	900μm Loose Tube	A	SC/UPC	15	1.5 Meter
			47	1470nm	S	Specify	2M	2.0mm Loose Tube	B	SC/APC	S	Specify
			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

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Americas Sales-CA Americas Sales-TX Americas Sales-MA Europe Sales MEA Sales Asia Sales