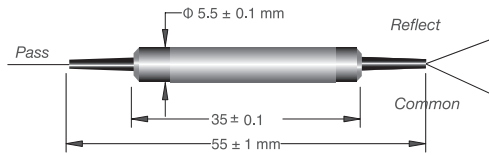


# PM FILTER DWDM



- Low Insertion Loss
- High Return Loss
- High Isolation

PM Filter DWDM devices use environmentally stable thin film filter and advanced packaging technology to achieve wide passband, low insertion loss, high channel isolation, excellent environmental stability and high extinction ratio.

They can be used individually to perform single channel add or drop function or can be used in DWDM systems and fiber sensor systems. PM Filter DWDM is designed and manufactured according to Telcordia standard and ITU standard.

PARAMETERS		VALUE		UNIT	SPECIFICATIONS *
Filter Type		200Ghz		100Ghz	
Pass Band	Center Wavelength		ITU Grid		nm
	Min. Bandwidth @ 0.5 dB	0.5		0.16	nm
	Typ. Bandwidth @ 0.5 dB	0.7		0.4	nm
	Max. Insertion Loss @ Common→Pass	1.0		1.2	dB
	Typ. Insertion Loss @ Common→Pass	0.8		1.0	dB
	Min. Channel Isolation @ Common→Pass	25		25	dB
	Typ. Channel Isolation @ Common→Pass	30		30	dB
Reflection Band	Max. Insertion Loss @ Common→Reflect	0.5		0.5	dB
	Typ. Insertion Loss @ Common → Reflect	0.3		0.3	dB
	Min. Channel Isolation @ Common→Reflect	12		12	dB
	Typ. Channel Isolation @ Common→Reflect	15		15	dB
	Typ. Extinction Ratio @ 23°C	22		22	dB
	Min. Extinction Ratio @ 23°C	20		20	dB
	Directivity	50		50	dB
	Min. Return Loss	50		50	dB
	Center Wavelength Stability	0.002		0.002	nm/°C
	Thermal Stability	0.005		0.005	dB/°C
	Max. Optical Power	300		300	mW
	Operating Temperature	-5 to +70		-5 to +70	°C

\*Note: IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

CODE	CHANNEL SPACING		ITU GRID		CONNECTOR TYPE		FIBER JACKET		FIBER LENGTH	
F-4M-PMDWDM	10	100 GHz	S	Specify	A	SC/UPC	25	250µm Panda Fiber	10	1m (Std.)
	20	200 GHz			B	SC/APC	9L	900µm Loose Tube	S	Specify
					C	FC/UPC	S	Specify		
					D	FC/APC				
					N	None				
					S	Specify				

ORDER CODE example:

F4M-PMDWDM- 10 - S - S - S - 10

## ORDER CODES

Specifications may change without notice. Display Product Photos Shown are samples for viewing, not actual products. Colours and styles may vary.

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