



Polarization Maintaining Filter Wavelength Division Multiplexers

(PMFWDM Series)

The PM FWDM series provide wavelength division multiplexing while maintaining signal polarization. The components are based on environmentally stable thin film filters technology and are characterized with high extinction ratio, low insertion loss, and high return loss. They are ideal for high speed WDM network systems.



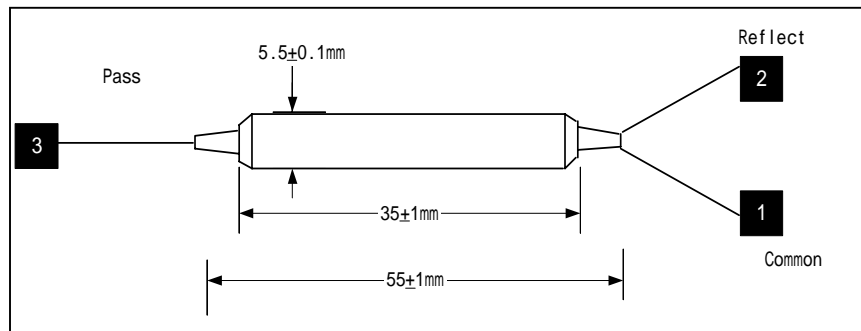
Specifications

Parameters		Unit	Values		
PassBand	Wavelength Range	nm	1270-1350(1530-1600)	1450-1490(1530-1600)	1500-1520(1530-1570)
	Typ. Insertion Loss	dB	0.4	0.4	0.5
	Max. Insertion Loss	dB	0.6	0.6	0.7
	Typ. Isolation	dB	30	30	30.0
	Min. Isolation	dB	25	25	25.0
Reflection Band	Wavelength Range	nm	1530-1600(1270-1350)	1530-1600(1450-1490)	1530-1570(1500-1520)
	Typ. Insertion Loss	dB		0.4	
	Max. Insertion Loss	dB		0.6	
	Typ. Isolation	dB		12	
	Min. Isolation	dB		10	
Min. Return Loss		dB		50	
Min. Extinction Ratio		dB		18	
Thermal Stability		dB/		0.005	
Max. Optical Power		mW		300	
Max. Tensile Load		N		5	
Operating Temperature				-5 to +70	
Storage Temperature				-40 to +85	

*Above specification are for device without connector.

*For devices with connectors, insertion loss will be 0.3dB higher, RL will be 5dB lower, and ER will be 2dB lower.

Package Dimensions



Ordering Information

PMFWDM-

: Wavelength	: Connector Type	: Fiber Length
3155 - 1310 Pass / 1550 Reflect	1 - FC/UPC	Q - 0.75 m
5531 - 1310 Reflect / 1550 Pass	2 - FC/APC	S - Specify
4855 - 1480 Pass / 1550 Reflect	3 - SC/UPC	
5548 - 1480 Reflect / 1550 Pass	4 - SC/APC	
5155 - 1510 Pass / 1550 Reflect	S - Specify	
5551 - 1510 Reflect / 1550 Pass	N - None	
: Fiber Type		
B - 250 um panda fiber		
D - 400 um panda fiber		
L - 900 um loose tube panda fiber		
S - Specify		

Remark: The PM fiber and the key are aligned to the slow axis