Polarization Maintaining filter WDM (PMFWDM)

Description

The Polarization Maintaining filter WDM provides wavelength division multiplexing while maintaining signal polarization. The PM FWDM is characterized with low insertion loss, high return loss, high extinction ratio and excellent environmental stability and reliability. It is ideal for high speed WDM network systems.

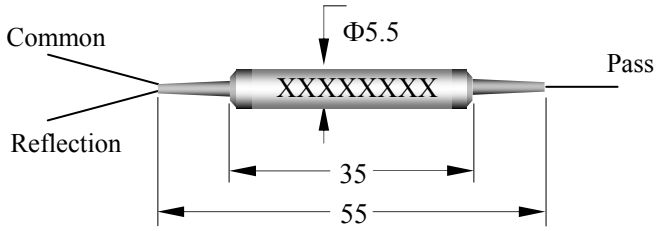
Key Features

- Low insertion loss
- High Extinction Ratio
- Excellent stability and reliability

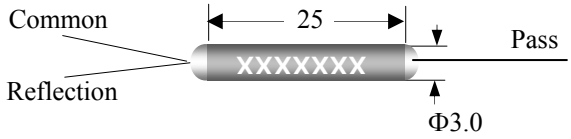
Applications

- WDM network systems
- Fiber lasers
- Fiber amplifiers

Mechanical Dimension



Normal Size



Mini Size

Specifications

Parameter \ Type		Unit	Polarization Maintaining filter WDM		
			T980/R1060	T1550/R980	T1480/R1550
Pass band (PB)	Wavelength range	nm	960-990	1530-1570	1460-1500
	Insertion loss	dB	≤0.8	≤0.7	≤0.7
	Isolation @RB	dB	≥25		
Reflection band (RB)	Wavelength range	nm	1040-1080	960-1000	1530-1570
	Insertion loss	dB	≤0.6	≤0.6	≤0.5
	Isolation @PB	dB	≥12		
Extinction ratio (Only for signal port)		dB	≥20		
Return loss		dB	≥50		
Handling power		mW	≤300		
Fiber type		/	PM fiber for Common port and Pass port; PM fiber or SMF-28e/Hi1060 fiber for Reflection port		
Operating temperature		℃	-5 to +70		
Storage temperature		℃	-40 to +85		
Dimensions		mm	Φ5.5× L35 or Φ3.0× L25		

* IL is 0.3dB (1310~1550nm) or 0.5dB (980~1064nm) higher, RL is 5dB lower and ER is 2dB lower for each connector added. The default connector key is aligned to slow axis.

Ordering Information

PMFWDM-XXX-TXXXX/RXXXX-X-X-XX/XXX-XX*XX