

Introduction

Rayzer's **Polarization Maintaining Filter Wavelength Division Multiplexer(PMFWDM)** series product, is based on environmentally stable thin-film filter technology with low insertion loss, low polarization dependence, high extinction ratio, high isolation and excellent environmental stability. High power handling capability can be achieved through unique pigtail processing and high quality AR coating. These components have been extensively used in EDFAs, and fiber lasers.



Specification

Parameters		Unit	Values				
Pass Port	Wavelength Range	nm	960-990		1270-1350	1450-1490	1550-2590
	Max. Insertion Loss	dB	0.7		0.6	0.7	
	Typ. Insertion Loss	dB	0.5		0.4	0.5	
	Min. Isolation	dB	25		26	26	
	Typ. Isolation	dB	30		30	30	
Reflection Port	Wavelength Range	nm	1020-1100	1530-1600	1530-1600		1950-2050
	Max. Insertion Loss	dB	0.5		0.5	0.6	
	Typ. Insertion Loss	dB	0.3		0.3	0.4	
	Min. Isolation	dB	13		13	13	
	Typ. Isolation	dB	15		15	15	
Min. Return Loss		dB	50				
Min. Extinction Ratio		dB	20				
Max. Handling Power		mW	500				
Fiber Type		--	PM Panda Fiber				
Max. Tensile Load		N	5				
Operating Temperature		℃	-5 to +70				
Storage Temperature		℃	-40 to +85				

*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.

*Above specifications are for device without connector and may change without notice.

Ordering Information

PMFWDM-①-②-③-④-⑤-⑥

① Central Wavelength	② Package Dimension	③ Fiber Type	④ Fiber Length	⑤ Fiber Jacket	⑥ Connector
980/1064—pass/reflection	5.5x35	PM980-PM980 for all ports	1-1M	0-Bare Fiber	FU-FC/PC
1064/980—pass/reflection	2.5x20	PM1550/PM980-PM1550pass port/PM980 reflect port	S-Specify	1-900μm Loose Tube	FA-FC/APC
1550/980—pass/reflection	2.5X30	S-Specify		2-2mm Cable	S-specify
s-Specify	S-Specify			3-3mm Cable	