

1x4, 1x8 PM Filter Coupler Module

Features	
Low Insertion Loss & Excess Loss High Extinction Ratio & High Isolation High stability and reliability	
Application	
EDFA Fiber Optical Instrument Power Monitoring Fiber Sensor	

Specifications

Parameter		1x4		1x8	
Center Wavelength (nm)		1310 or 1550	1064	1310 or 1550	1064
Operating Wavelength Range (nm)		+/-30			
Insertion Loss (dB)		≤7.5 Typ. 7.0	≤8.0 Typ. 7.5	≤11.0 Typ.10.5	≤11.5 Typ. 11.0
WDL (dB)		≤0.5, Typ. 0.3			
Uniformity (dB)		≤0.8		≤1.0	
Return Loss (dB)		≥50		≥50	
Directivity (dB)		≥50		≥45	
Extinction Ratio (dB)	Type B (Both of axis working)	≥20		≥17	
	Type F (Fast axis blocked)	≥22		≥22	
PDL (only for Type B) (dB)		≤0.1		≤0.15	
Temperature Dependent Loss(dB/°C)		≤0.006		≤0.008	
Fiber Type		Panda Fiber			
Operating Temperature (°C)		-5 ~+70	-5 ~+50	-5 ~ +70	-5 ~+50
Storage Temperature(°C)		-40 to +85			
Package Dimensions(mm)		100x80x10		120x80x12	

For device with connector, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB lower. The default connector key is aligned to slow axis.

Ordering Information

PMFC	Type	Wave length	Coupling Ratio	Axis Alignment	Pigtail Type	Fiber Type	Length	Connector
	1x4 1x8	1064 1310 1550	EVEN X=Specify	F=Fast Axis Blocked B=Both Axis Working	900=900um loose tube 2000=2mm loose tube 3000=3mm loose tube	5=Panda fiber	0.8= 0.8m	NE=None FA=FC/APC FC=FC/UPC SA=SC/APC SC=SC/UPC XX=Other