

Polarization Maintaining Coupler Module

Applications

- Polarization Maintaining Multiplexing of signals
- Polarization Management

Optical Performance Specifications

Optical Parameter	Unit	Specification		
Port configuration		1x4	1x8	1x16
Center Wavelength	nm	1550		
Operating Wavelength Range	nm	± 30		
Insertion loss	dB	≤ 7.8; Typ. 7.3	≤ 11.3; Typ. 10.8	≤ 14.8; Typ. 14.3
Wavelength dependent loss	dB	≤ 0.5, Typ. 0.3		≤ 0.7
Insertion Loss uniformity of Ports	dB	≤ 0.8		≤ 1.0
Return Loss (PC connector type)	dB	≥ 45		
Directivity	dB	≥ 50		≥ 45
Extinction Ratio	dB	≥ 21		≥ 20
Fiber Type		PM Panda Fiber		
Package dimensions	mm	160 x 140 x10	160 x 160 x 10	160 x 160 x 10

Ordering Information

PMC	X	-X	-XX	X	-XX	XX	-XX
Article	Number Ports In	Number Ports Out	Coupling ratio	Axis Alignment	Connector	Fiber jacket	Fiber Length
PM Coupler	4 8 16	1	00 = even	B=Both axis working	FA = FC/APC FP = FC/PC SP = SC/PC NC = no connector LP = LC/PC	02=900µm 03=3mm	05 = 0.5m 10= 1.0m 15 = 1.5m

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For devices without connectors, IL will be 0.3dB lower, RL will be 5dB higher, and ER will be 2dB higher. The connector key is aligned to the slow axis of the PM fiber.