Polarization Maintaining Coupler Module

Applications

- Polarization Maintaining Multiplexing of signals
- Polarization Management

Optical Performance Specifications

Optical Parameter	Unit	Specification	
Port configuration		1x2	2x2
Center Wavelength	nm	1550	
Operating Wavelength Range	nm	+/-40	
Max. Excess loss	dB	0.7	1.0
Max. Uniformity (only 50/50)	dB	≤ 0.4	≤ 0.6
Max. Optical Power (CW)	mW	500	-
Return Loss (PC connector type)	dB	≥ 45	≥ 45
Extinction Ratio, F - Type	dB	≥ 20	≥ 20
Extinction Ratio, B - Type	dB	≥ 18	≥ 16
Fiber Type		PM Panda Fiber	
Tap Ratio	%	1 ± 0.2%, 2 ± 0.4%, 5 ± 1%, 10% and 50%	

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	2	1 2	01 = 1/99 02 = 2/98 05 = 5/95 10 = 10/09 50 = 50/50	F=Fast axis blocked 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.