FBT Coupler

Polarization Maintaining Coupler

Specifications

Parameter		Wavelength ≤ 1280 nm	Wavelength ≥ 1280 nm
Center Wavelength		Specified by customer	
Operating Wavelength Range		Center wavelength ± 10 nm	
Coupling Ratio		1% (± 3%) to 50% (± 5%)	
Excess Insertion Loss (slow axis input, including TDL)		≤ 0.7 dB	≤ 0.5 dB
Polarization Extinction Ratio		≥ 15 dB	≥ 20 dB
Return Loss		≥ 55 dB	
Directivity		≥ 55 dB	
Fiber Type		PM Panda Fiber	
Operating Temperature		0° C to + 70° C	
Storage Temperature		- 40° C ~ + 85° C	
Package Dimensions	Light Duty (B)	3.0mm (Φ) x 60.0mm (L)	3.0mm (Φ) x 55.0mm (L)
	Medium Duty (L)	3.0mm (Φ) x 65.0mm (L)	3.0mm (Φ) x 60.0mm (L)
	Heavy Duty (K, R)	100.0mm x 12.0mm x 8.0mm	

**There will be 1.0 dB less for extinction ratio if connector is added.*

Note 1: All values specified are without connectors.

Ordering Information

P M C – ___ – ___ – ___ – ___ – ___ – ___ – ___

Align Axis
S: Slow
F: Fast

Port Number
12: 1 x 2
22: 2 x 2
13: 1 x 3
14: 1 x 4

Coupling Ratio
xy % : xy %
EVEN: Even split

Center Wavelength
Examples
0980: 980 nm
1480: 1480 nm

Fiber Length
1: 1 meter
2: 2 meter
S: Special
0: 0.5 meter

Pigtail Style
(=Package style)
B: bare fiber
L: 900 µm loose tube
K: 2mm cable
R: 3mm cable

Connector
0: None
1: FC/PC
2: FC/APC
3: SC/ PC
4: SC/APC
5: FC/SPC
6: SC/SPC
7: LC/UPC
8: LC/SPC
9: Special
A: FC/UPC
B: SC/UPC
C: ST

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