

Photonics-USA

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FBT COUPLER

2μm Polarization Maintaining Coupler

➔ Specifications

Parameter

Center Wavelength	Specified by customer		
Operating Wavelength Range	Center wavelength ± 10 nm		
Coupling Ratio	1% (± 0.3%) to 50% (± 5%)		
Excess Insertion Loss (slow axis input, including TDL)	≤ 0.5 dB		
Polarization Extinction Ratio	≥ 15 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 mm (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.
Note1: 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
Example:
1950 = 1950nm

Fiber Length
1: 1 meter
2: 2 meters
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