

Polarization Maintaining Filter Coupler



FEATURES

Low Excess Loss
 Various Coupling Ratio
 Wide Pass Band
 High Stability and Reliability
 Epoxy Free Optical Path

APPLICATION

Optical Amplifier
 Optical Networks
 Fiber Sensors
 Power Monitoring

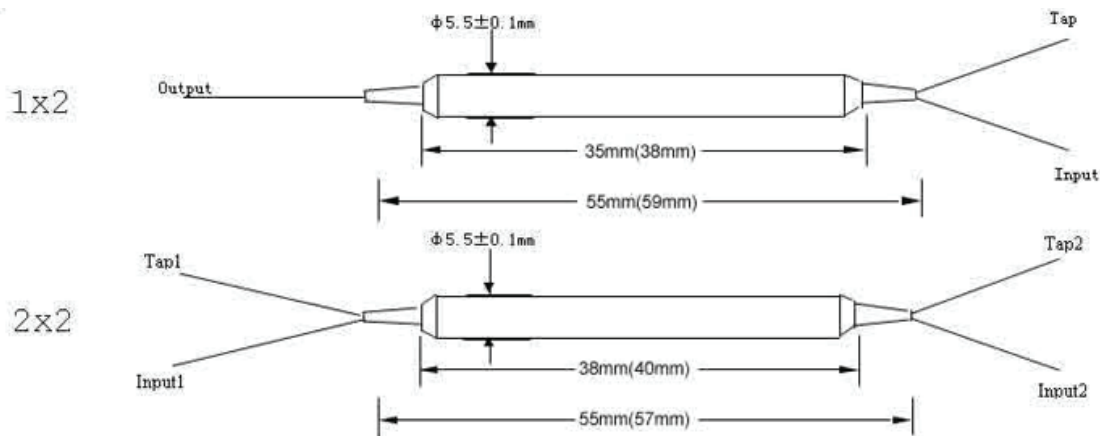
| Parameter | Specifications | | | | | | | | | | | |
|----------------------------------|---|--------|--------|----------|---------|-------|--------|--------|--------|----------|---------|-------|
| | 1x2 | | | | | | 2x2 | | | | | |
| Operating Wavelength | 1550±10nm (1310nm, 1060nm or Custom wavelength) | | | | | | | | | | | |
| Coupling Ratio Typical | 1:99 | 2:98 | 5:95 | 10:90 | 40:60 | 50:50 | 1:99 | 2:98 | 5:95 | 10:90 | 40:60 | 50:50 |
| Insertion (Max.) (dB) (@1550nm)* | 21/0.8 | 18/0.8 | 14/0.9 | 11.5/0.1 | 4.6/2.6 | 3.6 | 21/1.0 | 18/1.0 | 14/1.1 | 11.8/1.3 | 4.8/2.8 | 4.0 |
| Excess Loss (Max.) | 1.0dB | | | | | | | | | | | |
| Uniformity (Max.) | 0.80dB | | | | | | | | | | | |
| Extinction Ratio | 18dB (typ.20dB) | | | | | | | | | | | |
| Return Loss | ≥ 50dB | | | | | | | | | | | |
| Optical Power | 300mW | | | | | | | | | | | |
| Tensile Load (Max.) | 5N | | | | | | | | | | | |
| Operating Temperature | -5 to +70°C | | | | | | | | | | | |
| Storage Temperature | -40 to +85°C | | | | | | | | | | | |
| Fiber Type | PM Panda fiber for In/Out or SMF-28 for Tap Port All PM Panda fiber | | | | | | | | | | | |
| Package Dimensions | 1x2 :[Ø5.5xL35mm(L38 For 900um Jacket)]; 2x2:[Ø5.5xL38mm(L40 For 900um Jacket)] | | | | | | | | | | | |

NOTE:

1. Connector keys are aligned to the slow axis.
2. ER value applies to fiber < 0.75m. Increased fiber length will decrease ER.
3. For each connector, IL will be 0.3dB higher, RL 5dB lower, and ER 2dB lower.

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MECHANICAL DIMENSIONS



ORDERING INFORMATION

| PMFC | Wavelength | Type | Split Ratio | Pigtail Style | Fiber Length | In/Out Connector | Working Axis |
|---|--------------|---------|--------------|------------------|--------------|------------------|-----------------------|
| | 10 = 1060nm | 1 = 1x2 | 01 = 1/99 | 1 = Bare Fiber | 1 = 0.75m | 0 = None | S = Slow Axis Working |
| | 13 = 1310nm | 2 = 2x2 | 02 = 2/98 | 2 = 900um Jacket | S = Specify | 1 = FC/APC | B = Both Axis Working |
| | 14 = 1480nm | | 05 = 5/95 | S = Specify | | 2 = FC/PC | F = Fast Axis Working |
| | 55 = 1550nm | | 10 = 10/90 | | | 3 = SC/APC | |
| | 85 = 850nm | | 40 = 40/60 | | | 4 = SC/PC | |
| | SS = Specify | | 50 = 50/50 | | | 5 = ST | |
| | | | SS = Specify | | | 6 = LC/UPC | |
| | | | | | | 7 = LC/APC | |
| | | | | | | X = Special | |
| Fiber Type on Tap Port | | | | | | | |
| M = SMF-28 (For 1X2 only, standard product) | | | | | | | |
| H = HI780 for 850nm; HI1060 for 1060nm | | | | | | | |
| P = Panda Fiber | | | | | | | |
| S = Specify | | | | | | | |