

915/980nm High Power Multimode Filter Coupler

FEATURES

- Low Excess Loss
- Various Splitting Ratio
- Wide Passband
- High Stability and Reliability
- Epoxy Free Optical Path

APPLICATIONS

- Optical Amplifier
- Optical Networks
- Power Monitoring
- Fiber Sensor
- Lab



SPECIFICATIONS

| Parameter | Unit | 1x2 Type | | | 2x2 Type | | | |
|-------------------------|----------------------------|--|---|----------|----------|-------|-------|-------|
| Center Wavelength | nm | 915, 980 | | | | | | |
| Bandwidth | nm | +/-15nm or customer specify | | | | | | |
| Split Ratio | - | 0.1:99.9 | 1:99 | 2:98 | 5:95 | 10:90 | 40:60 | 50:50 |
| Tap Ratio | - | 0.1% | 1+/-0.5% | 2+/-0.6% | 5+/-1.0% | 10% | 40% | 50% |
| Excess Loss Max. | dB | 1.2 | | | 1.5 | | | |
| Uniformity Max. | dB | 0.8 | | | 1.0 | | | |
| Optical Return Loss | dB | ≥35 | | | | | | |
| Fiber Type | - | 50/125um or 62.5/125um MM Fiber 50/125um MM OM3 Fiber 105/125um MM Fiber | | | | | | |
| Fiber Tensile Load | N | 5 | | | | | | |
| Max. Optical Power (CW) | W | 1, 2, 3, 5, 10, 15, 20, 25, 30 | | | | | | |
| Operating Temperature | °C | 0~50 | | | | | | |
| Storage Temperature | °C | -40~85 | | | | | | |
| Package | Stainless Steel Tube (SST) | mm | (Ø)5.5x35 (≤5W); (Ø)6.0x48 (5~10W) | | | | | |
| Dimension | Metal Box | mm | (L)90x(W)12x(H)10 (>10W); (L)120x(W)12x(H)10 (≤10W) | | | | | |

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.3dB higher, RL is 10dB lower.

3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

4. Specifications are tested at low order modes.

5. Devices with other wavelength range are also available per request.

6. Devices for higher optical power or with other type fiber or consigned fiber are also available.

ORDERING INFORMATION (PN)

| FMFC-NNN | - NN | N | -HP NN | - (C) | N | C | NN | - CC/CCC |
|------------|-------------|-------|---------------|---------------|------------------------|---------------|--------------|-------------------------|
| Wavelength | Split Ratio | Type | Optical Power | Package | Fiber Type | Fiber Sleeve | Fiber Length | Connector Type |
| 915=915nm | 01=1/99 | 1=1x2 | 1=1W | M=Metal Box | 5= 50/125um MM Fiber | B= Bare fiber | 05=0.5m | N=Without Connector |
| 980=980nm | 05=5/95 | 2=2x2 | 2=2W | Blank for SST | 6= 62.5/125um MM Fiber | L= Loose Tube | 10=1.0m | FC/APC=FC/APC Connector |
| | 10=10/90 | | 10=10W | or >10W | 3= OM3 MM Fiber | 2= 2mm Cable | 15=1.5m | LC/PC=LC/PC Connector |
| | 50=50/50 | | 25=25W | | A= 105/125um, NA=0.22 | 3= 3mm Cable | 20=2.0m | SC/UPC=SC/UPC Connector |
| | | | | | B=105/125um, NA=0.15 | | | |