

980/1030nm High Power Fused PM WDM Coupler

FEATURES

- ▣ Low Excess Loss
- ▣ Variety Coupling Ratio
- ▣ Epoxy-Free Optical Path
- ▣ High Reliability and Stability
- ▣ Low Profile Packaging

APPLICATIONS

- ▣ LAN WAN Systems
- ▣ Signal Monitoring
- ▣ Network Monitoring
- ▣ CATV
- ▣ Test Equipments



SPECIFICATIONS

| Parameter | Unit | Value | |
|----------------------------|----------------------------|--|--|
| Wavelength Range Channel 1 | nm | 976±5, 980±5 | |
| Wavelength Range Channel 2 | nm | 1030±5, 1036±5 | |
| Insertion Loss | dB | ≤1.0 | |
| Isolation | dB | ≥13 | |
| Extinction Ratio | dB | ≥17 | |
| Optical Return Loss | dB | ≥40 | |
| Directivity | dB | ≥50 | |
| Fiber Type | - | PM980 Panda Fiber or PM1060L Fiber (E) 10/125um PMDC Fiber (O) NA=0.075 | |
| Fiber Tensile Load | N | 5 | |
| Maximum Optical Power (CW) | W | 1, 2, 3, 5, 10, 15, 20, 25, 30, 50, 80, 100, 150, 200 | |
| Operating Temperature | °C | 0~50 | |
| Storage Temperature | °C | -40~85 | |
| Package Dimension | Stainless Steel Tube (SST) | mm | Φ3.0x ^L 70 for Bare Fiber |
| | Metal Box | | Φ3.0x ^L 76 for 900um Loose Tube |
| | | | Φ120x ^W 12x ^H 10 for 2mm/3mm Cable |

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 4. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.
 5. Package size may be different for different optical power and fiber type.

ORDERING INFORMATION (PN)

| FPCD- NN | NN | - N | (C) | (C) -HP NN | -(C) | (C) | C | NN | -CC/CCC | |
|--------------------|--------------------|----------------------|----------|-------------------|---------------|-----------------------|------------------------|---------------|--------------|-------------------------|
| Center Wavelength1 | Center Wavelength2 | Configuration | Mode | Fiber(λ1) | Optical Power | Package | Fiber (Com&λ2) | Fiber Sleeve | Fiber Length | Connector Type |
| 97- 976nm | 03- 1030nm | 1- 1x2 Type | M- Mux | S- Corr. SM Fiber | 1- 1W | M- Metal Box | E- PM1060L Fiber | B- Bare fiber | 05- 0.5m | N- Without Connector |
| 98- 980nm | 36- 1036nm | 2- 2x2 Type | D- Demux | P- PM980 Fiber | 3- 3W | Blank for SSL Tube | O- 10/125um PMDC Fiber | L- Loose Tube | 10- 1.0m | FC/APC=FC/APC Connector |
| 03- 1030nm | 97- 976nm | Blank for Both | | H- HI1060 Fiber | 10- 10W | Blank for PM980 Fiber | | 2- 2mm Cable | 15- 1.5m | LC/PC=LC/PC Connector |
| 36- 1036nm | 98- 980nm | Blank for Same Fiber | | | 20- 20W | | | 3- 3mm Cable | 20- 2.0m | SC/UPC=SC/UPC Connector |