

980~1120nm High Power Fiber Mirror

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- Low Polarization Sensitivity
- Low Profile Packaging

APPLICATIONS

- Fiber Optic Amplifiers
- Sensing Systems
- Telecommunication Networks
- CATV Networks
- LAN Systems

SPECIFICATIONS

| Parameter | Unit | Value | |
|--------------------------------------|----------------------------|--|------------------------------------|
| Center Wavelength | nm | 980, 1030, 1053, 1064, 1080, 1092, 1120 | |
| Bandwidth | nm | +/-15 | |
| Insertion Loss (Max.) | dB | 0.9 | |
| PDL (for SM Fiber Type) | dB | ≤0.20 | |
| Extinction Ratio (for PM Fiber Type) | dB | ≥18 | |
| Fiber Type | SM Fiber Type | HI1060 Fiber or 10/125um SC Fiber (E) 10/125um DC Fiber (O), 15/130um DC Fiber (W) 20/130um DC Fiber (Q) or 25/250um DC Fiber (R) | |
| | PM Fiber Type | PM980 Panda Fiber or 10/125um PMSC Fiber (E) 10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W) 20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R) | |
| Fiber Tensile Load | N | 5 | |
| Maximum Optical Power (CW) | W | 1, 2, 3, 5 | |
| Operating Temperature | °C | 0~50 | |
| Storage Temperature | °C | -40~85 | |
| Package Dimension | Stainless Steel Tube (SST) | mm | (Ø)3.8x22 (≤3W); (Ø)5.5x35 (3~10W) |
| | Metal Box | mm | (L)120x(W)12x(H)10 |

- 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.

ORDERING INFORMATION (PN)

| | | | | | | | | |
|--------------------------|----------------------|-------------------|----------------|--|---------------------|---------------------|-------------------------|-----------------|
| FFMR- | NNNN | -HP NN | - C | (C) | (C) | C | NN | - CC/CCC |
| <i>Center Wavelength</i> | <i>Optical Power</i> | <i>Fiber Type</i> | <i>Package</i> | <i>Fiber Type</i> | <i>Fiber Sleeve</i> | <i>Fiber Length</i> | <i>Connector Type</i> | |
| 980-980nm | 1-1W | P-PM Fiber | M-Metal Box | E=10/125 SC Fiber | B- Bare Fiber | 05=0.5m | N=Without Connector | |
| 1030-1030nm | 2-2W | S=SM Fiber | Blank for SST | Q=20/130 DC Fiber | L- Loose Tube | 10=1.0m | FC/APC=FC/APC Connector | |
| 1064-1064nm | 3-3W | | | R=25/250 DC Fiber | 2- 2mm Cable | 15=1.5m | LC/PC=LC/PC Connector | |
| 1120-1120nm | 5-5W | | | Blank for HI1060 Fiber or PM980 Panda Fiber | 3- 3mm Cable | 20=2.0m | SC/UFC=SC/UFC Connector | |