



1030nm High Power Faraday Mirror

FEATURES

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

APPLICATIONS

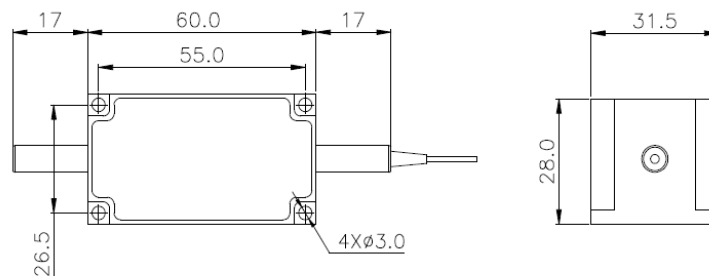
- Fiber Optic Amplifiers
- Sensing Systems
- Telecommunication Networks
- CATV Networks
- LAN Systems

SPECIFICATIONS

| Parameter | Unit | Value | |
|---|---------------|-----------------------|--|
| Center Wavelength | nm | 1030 | |
| Bandwidth | nm | +/-5 | |
| Insertion Loss (Max.) | dB | 1.8 | |
| Faraday Rotation Angle (Single Pass) | Deg | 45 | |
| Rotation Angle Tolerance (1030nm, 23°C) | Deg | +/-6 | |
| 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 Fiber |
| | PM Fiber Type | - | PM980 Panda Fiber or 10/125um PM Fiber |
| Fiber Tensile Load | N | 5 | |
| Maximum Optical Power (CW) | W | 0.3, 0.5, 1, 3, 5, 10 | |
| Operating Temperature | °C | 0~50 | |
| Storage Temperature | °C | -40~85 | |

- 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 (For example: 6/125um, 20/125um or 25/250um, etc.) are also available; Devices can only work in the core of Double Cladding (DC) Fiber.

DIMENSION DRAWING



ORDERING INFORMATION

| | | | | | | | |
|-------------------|-----------------------------|---|--------------------------------|-------------------------------|---|-----------|----------------|
| FFDM- | NNNN | -HP | NN | - C(C) | C | NN | - CC/CC |
| Center Wavelength | Optical Power | Fiber Type | Fiber Sleeve | Fiber Length | Connector Type | | |
| 1030=1030nm | 03=300mW 1= 1W 10=10W | P= PM980 Panda Fiber H=HI1060 Fiber EP=10/125 PM Fiber OP= 10/125PMDC Fiber EH= 10/125 Fiber OH=10/125DC Fiber | B= Bare Fiber L= Loose Tube | 10=1.0m 15=1.5m 20=2.0m | N =Without Connector FC/APC=FC/APC Connector LC/PC =LC/PC Connector | | |