

1053nm 300mW PM Isolator (Faraday Based)

Features

- Low Insertion Loss
- High Return Loss
- High Extinction Ratio
- High Isolation
- High Stability & Reliability

Applications

- MOPA Fiber Laser
- Test Instruments
- Fiber Laser
- Research

Specifications

| Parameter | Unit | Value | |
|---|-------------------|----------------|------|
| Stage | - | Single | Dual |
| Center Wavelength | nm | 1053 | |
| Operating Wavelength Range | nm | ±5 | |
| Typ. Peak Isolation at 23°C | dB | 35 | 52 |
| Min. Isolation at 23°C | dB | 28 | 45 |
| Typ. Insertion Loss at 23°C | dB | 1.8 | 2.8 |
| Max. Insertion Loss at 23°C | dB | 2.0 | 3.5 |
| Min. Return Loss at 23°C (input/output) | dB | 50/50 | |
| Min. Extinction Ratio at 23°C | Both axis working | 20 | |
| | Fast axis blocked | 22 | |
| Max. Optical Power (CW) | mW | 300 | |
| Max. Tensile Load | N | 5 | |
| Fiber Type | - | PM Panda fiber | |
| Operating Temperature | °C | -5~+50 | |
| Storage Temperature | °C | -40~+85 | |

*With connectors, IL is 0.3dB higher, RL is 5dB lower, and ER is 2dB lower.

*Connector key is aligned to slow axis.

Package Dimensions



Ordering Information

PMIS-①①①①-②③-④④④-⑤⑥-⑦-⑧⑧

| | |
|----------------------|---|
| ①①①① - Wavelength: | 1053=1053nm, SSSS=Specified |
| ② - Core Type: | S=Single-core stage, D=Dual-core stage |
| ③ - Working Axis: | B=Both axis working, F=Fast axis blocked |
| ④④④ - Fiber Type: | 003=PM980, 018=PLMA-GDF-10/125-M, SSS=Specified |
| ⑤ - Package: | 0=φ5.5x35mm |
| ⑥ - Dimensions: | 0=bare fiber, 1=900μm loose tube, S=Specified |
| ⑦ - Pigtail Type: | 0.8=0.8m, 1.0=1m, S=Specified |
| ⑧⑧ - Connector Type: | 0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, N=None, S=Specified |