

1053nm Free Space Faraday Rotator

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

APPLICATIONS

- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Transmitters and Fiber Lasers
- CATV Networks



SPECIFICATIONS

| Parameter | Unit | Value |
|--|------|-------------------|
| Center Wavelength (λ_c) | nm | 1053 |
| Bandwidth | nm | +/-5 |
| Insertion Loss (λ_c , 23°C) | dB | ≤ 2.0 |
| Rotation Angle (λ_c , 23°C) | ° | 22.5, 45, 90 |
| Rotation Angle Tolerance (λ_c , 23°C) | dB | +/-4 |
| Clear Aperture (Diameter) | mm | 0.8 |
| Maximum Optical Power (CW) | mW | 200 |
| Operating Temperature | °C | 0~50 |
| Storage Temperature | °C | -40~85 |
| Package Dimension | mm | (Φ)3.0x3.9 |

- Note:**
1. Devices for higher optical power and pulse power are also available per request.
 2. Other clear aperture or dimension sizes are also available per request.

ORDERING INFORMATION (PN)

| | | | | | | | |
|--------------|--------------------------|---|---|---|-----------------------|---|-----------------------|
| FFDR- | NNNN | - | (NN) | - | NN | - | NNxNN |
| | <i>Center Wavelength</i> | | <i>Rotation Angle</i> | | <i>Clear Aperture</i> | | <i>Dimension</i> |
| | 1053- 1053nm | | 90- 90degree 225-22.5degree <i>Blank</i> for 45degree | | 08-0.8mm | | 30x39-(Dia.)3.0x3.9mm |