

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	1310, 1480, 1550, 1590	
Bandwidth	nm	+/-15	
Insertion Loss (λ_c , 23°C)	dB	≤0.20	
Rotation Angle (λ_c , 23°C)	°	22.5, 45, 90	
Rotation Angle Tolerance (λ_c , 23°C)	dB	+/-2	
Clear Aperture (Diameter)	mm	0.9, 1.3	2.5
Maximum Optical Power (CW)	mW	300	
Operating Temperature	°C	0~60	
Storage Temperature	°C	-40~85	
Package Dimension	mm	(Φ)3.0x3.0	(Φ)5.0x3.0

- Note:**
1. Other wavelength, such as, 1030nm or 1064nm are also available per request.
 2. Devices for higher optical power and pulse power are also available per request.
 3. Other clear aperture or dimension sizes are also available per request.

ORDERING INFORMATION (PN)

FFDR- **NNNN** - **NN** - **NNxNN**

Center Wavelength

1310=1310nm

1550=1550nm

1480=1480nm

1590=1590nm

Clear Aperture

09=0.9mm

13=1.3mm

25=2.5mm

Dimension

30x30=(Φ)3.0x3.0mm

50x30=(Φ)5.0x3.0mm