

1070nm 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	1070
Bandwidth	nm	+/-5
Insertion Loss (λ_c , 23°C)	dB	≤ 1.50
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	300
Operating Temperature	°C	0~50
Storage Temperature	°C	-20~75
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>
	1070- 1070nm		90- 90degree 225-22.5degree <i>Blank</i> for 45degree		08=0.8mm		30x39-(Dia.)3.0x3.9mm