

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	0.3
Rotation Angle (λ_c , 23°C)	°	45	90
Rotation Angle Tolerance (λ_c , 23°C)	dB	+/-2	+/-3
Clear Aperture (Diameter)	mm	0.8, 1.3, 2.5, 3.0	
Maximum Optical Power (CW)	mW	300	
Operating Temperature	°C	0~60	
Storage Temperature	°C	-40~85	
Package Dimension	mm	ϕ 3.0x ^L 3.0 (0.8 or 1.3mm CA) ϕ 5.0x ^L 3.0 (2.5mm CA) ϕ 8.0x ^L 3.0 (3mm CA)	

- 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)	-	NN	-	NNxNN
	<i>Center Wavelength</i>		<i>Rotation Angle</i>		<i>Clear Aperture</i>		<i>Dimension</i>
	1310-1310nm		90-90degree		08-0.8mm		30x30-(ø)3.0x3.0mm
	1550-1550nm		<i>Blank</i> for 45degree		13-1.3mm		50x30-(ø)5.0x3.0mm
	1480-1480nm				25-2.5mm		80x30-(ø)8.0x3.0mm
	1590-1590nm				30-3.0mm		