

1030nm Free Space Faraday Rotator

FEATURES

- High Isolation
- Low Insertion Loss
- High Reliability and Stability
- Various Bandwidth
- High Optical Power

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Laser Systems
- Research Labs



SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength (λ_c)	nm	1030	
Bandwidth	nm	+/-5	
Insertion Loss (λ_c , 23°C)	dB	≤2.7	
Rotation Angle (λ_c , 23°C)	°	45	
Rotation Angle Tolerance (λ_c , 23°C)	dB	+/-6	
Clear Aperture (Diameter)	mm	0.8	3.0
Maximum Optical Power (CW)	mW	50	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-20~75	
Package Dimension	mm	φ3.0x ^L 3.0	φ8.0x ^L 3.0

- 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>
	1030-1030nm		90-90degree <i>Blank for 45degree</i>		08-0.8mm 30-3mm		30x30-(Dia.)3.0x3.0mm 80x30-(Dia.)8.0x3.0mm