

## 1040nm 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 ( $\lambda_c$ )	nm	1040
Bandwidth	nm	+/-5
Insertion Loss ( $\lambda_c$ , 23°C)	dB	$\leq 2.4$
Rotation Angle ( $\lambda_c$ , 23°C)	°	22.5, 45, 90
Rotation Angle Tolerance ( $\lambda_c$ , 23°C)	dB	+/-5
Clear Aperture (Diameter)	mm	0.8
Maximum Optical Power (CW)	mW	100
Operating Temperature	°C	0~50
Storage Temperature	°C	-40~85
Package Dimension	mm	( $\Phi$ )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)

<b>FFDR-</b>	<b>NNNN</b>	-	<b>(NN)</b>	-	<b>NN</b>	-	<b>NNxNN</b>
	<i>Center Wavelength</i>		<i>Rotation Angle</i>		<i>Clear Aperture</i>		<i>Dimension</i>
	1040- 1040nm		90- 90degree 225-22.5degree <i>Blank</i> for 45degree		08-0.8mm		30x39-(Dia.)3.0x3.9mm