

## 900-1120nm High Power Free Space Faraday Rotator

### FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

### APPLICATIONS

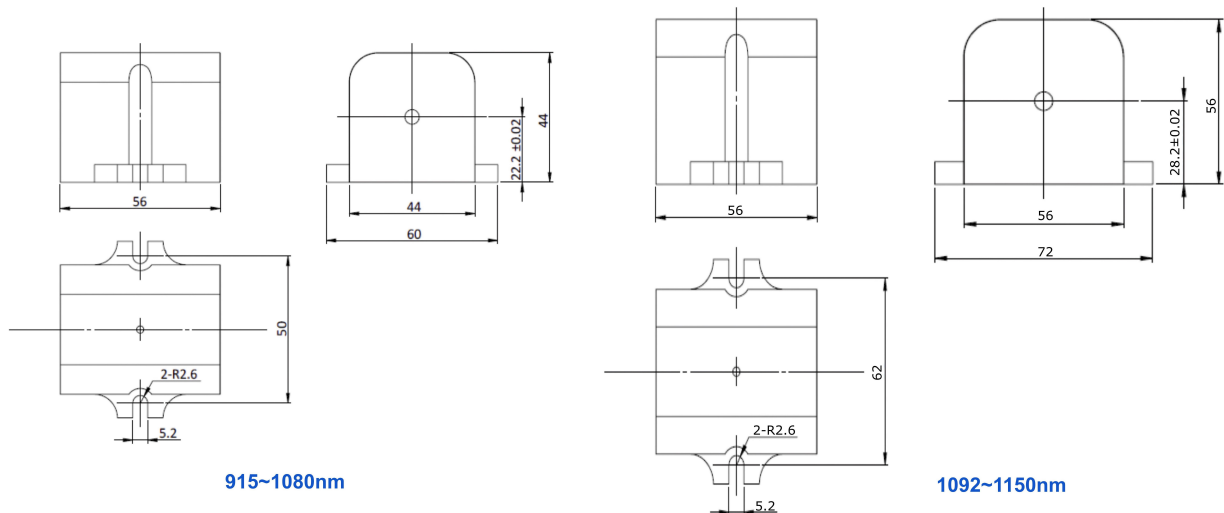
- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Transmitters and Fiber Lasers
- CATV Networks

### SPECIFICATIONS

Parameter	Unit	High Power Type
Center Wavelength ( $\lambda_c$ )	nm	915, 930, 950, 975 1020, 1030, 1040, 1053, 1064 1070, 1080, 1092, 1103, 1120
Operating Wavelength Range	nm	+/-10
Rotation Angle ( $\lambda_c$ , 23°C)	dB	22.5, 45, 90
Rotation Angle Tolerance ( $\lambda_c$ , 23°C)	dB	+/-5
Typical Insertion Loss ( $\lambda_c$ , 23°C)	dB	0.4
Max. Insertion Loss ( $\lambda_c$ , 23°C)	dB	0.7
Clear Aperture	mm	2.0, 3.0, 5.0
Maximum Average Power	W	1, 2, 3, 5, 10, 20, 30, 40, 50, 60, 80, 100
Max. Peak Power for Pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20
Operating Temperature	°C	0~50
Storage Temperature	°C	-20~75

- Note:**
1. Devices for higher optical power and pulse power are also available.
  2. Package dimensions may be different for different clear aperture and optical power.

### PACKAGE DIMENSION



### ORDERING INFORMATION (PN)

FFDR-NNNN	(NN)	-H NN	P NN	- NN
Center Wavelength	Rotation Angle	Average Power	Peak Power	Clear Aperture
975-975nm	90= 90degree	1=1W	01= 100W	20=2.0mm
1030-1030nm	225=22.5degree	5=5W	1=1kW	30=3.0mm
1064-1064nm	Blank for 45degree	10=10W	10=10kW	50=5.0mm
1092-1092nm		50=50W	20=20kW	