

1310, 1480, 1550nm Free Space Faraday Rotator



Feature

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

Application

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

Specification

Parameter	Unit	Value	
Center Wavelength (λ_c)	nm	1310, 1480, 1550	
Bandwidth	nm	+/-15	
Insertion Loss (λ_c , 23°C)	dB	≤0.20	
Rotation Angle (λ_c , 23°C)	°	45	
Rotation Angle Tolerance (λ_c , 23°C)	dB	+/-1	
Clear Aperture (Diameter)	mm	0.9, 1.3	2.5
Maximum Optical Power (CW)	mW	300	
Operating Temperature	°C	0~60	
Storage Temperature	°C	-40~85	
Package Dimension	mm	(Φ)3.0x3.0	(Φ)5.0x3.0

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 size are also available per request.

Ordering information

FSFR- NNNN	-	NN	-	NNxNN
Center Wavelength		Clear Aperture		Dimension:
1310= 1310nm		09=0.9m m		30x30=(ϕ)3.0x3.0mm
1550= 1550nm		13=1.3m m		50x30=(ϕ)5.0x3.0mm
1480=1480n m		25=2.5m m		