

**Optizone Polarization Insensitive Fiber Optic Circulator**

**Features**

- Low Insertion Loss & PDL
- High Channel Isolation
- Optical Path Epoxy Free
- Telcordia Compliant

**Applications**

- Optical Amplifiers
- FBG Applications
- Dispersion Compensation
- Fiber Sensors

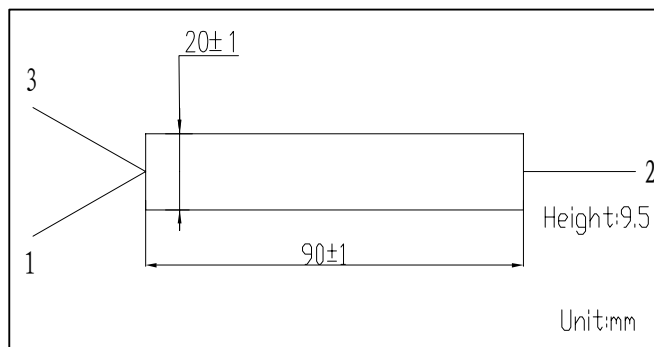
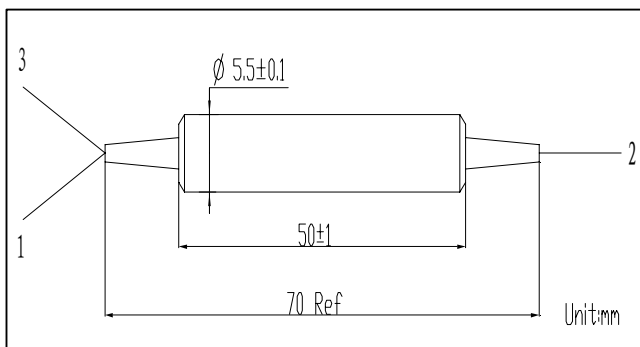
**Specifications**

Parameter	Unit	Values			
Center Wavelength	nm	1310	1550	C&L	1610
Operating Wavelength Range	nm	±30	±30	1525~1610	±30
Typ. Insertion loss(1→2, 2→3)	dB	0.6			
Max. Insertion loss(1→2, 2→3)	dB	0.8			
Typ. Isolation(3→2, 2→1)	dB	50			
Min. Isolation(3→2, 2→1)	dB	40			
Max. PDL	dB	0.15			
Min. PMD	ps	0.1			
Min. Return loss	dB	50			
Min. Cross talk	dB	50			
Max. Optical Power (CW)	mW	500			
Max. Tensile Load	N	5			
Fiber Type	-	SMF-28e Fiber			
Operating Temperature	°C	0 to +70			
Storage Temperature	°C	-40 to +85			
Package Dimensions	mm	dia 5.5 x 50 (Bare fiber or 900um Loose Tube)			
		90x20x9.5 (2.0mm or 3.0mm Cable)			

\*Above specifications are for device without connector, and testing at 23 °C.

\*For devices with connectors, IL will be 0.3dB higher and RL will be 5dB lower.

**Package Dimensions**



**Ordering Information**

**FCIR-①①-②-③③③-④④④-⑤**

- ①①: Wavelength
- 31 - 1310nm
- 55 - 1550nm
- CL - C&L Band
- 61 - 1610nm
- SS - Specify

- ③③③: Connector Type on Port 1, 2 & 3
- 1 - FC/UPC
- 2 - FC/APC
- 3 - SC/UPC
- 4 - SC/APC
- N - None
- S - Specify

- ④④④: Fiber Jacket on Port 1, 2 & 3
- B - 250um Bare Fiber
- L - 900um Loose Tube
- E - 2mm Loose Tube
- C - 3mm Loose Tube
- S - Specify

- ②: Port Type
- 1 - 1x2

- ⑤: Fiber Length
- 1 - 1.0m
- S - Specify