



## RC Fiber Polarization Insensitive Isolator

(RCI Series)

The RC Fiber Polarization Insensitive Isolator is designed and manufactured to Telcordial standard. The unique manufacturing process and optical path epoxy-free design enhance the device high power handling capability. The device is characterized with high performance, high reliability and low cost. It has been widely used in EDFAs, DWDM systems, Sensors, compact optical circuits and other fiberoptic communication equipments to suppress back reflection and back scattering.

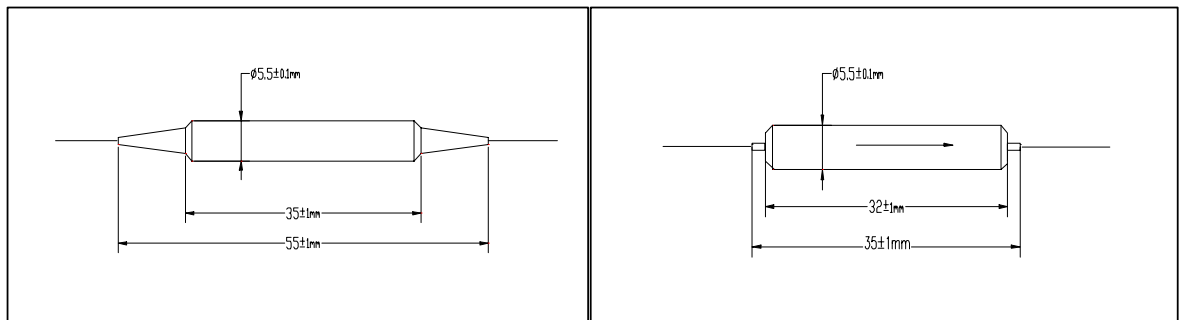


### Specifications

Parameters	Unit	Single Stage		Dual Stage	
		Grade P	Grade A	Grade P	Grade A
Center Wavelength ( $\lambda_c$ )	nm	1550			
Typ. Peak Isolation	dB	42	40	58	52
Min. Isolation at 23°C; $\lambda_c \pm 15$ nm, all polarization states	dB	32	30	46	45
Typ. Insertion Loss at 23°C; $\lambda_c \pm 20$ nm, all polarization states	dB	0.7	0.8	0.8	0.9
Max. Insertion Loss at -5°C-70°C; $\lambda_c \pm 20$ nm, all polarization states	dB	0.8	1.0	1.0	1.1
Min. Return Loss (input/output)	dB	55 / 55	55 / 55	55 / 55	55 / 55
Max. PDL at 23°C	dB	0.05	0.1	0.05	0.15
Max. Optical Power	mW	300			
Max. Tensile Load	N	5			
Fiber Type		RC 1550 Fiber or Specify			
Operating Temperature	°C	-5 to +70			
Storage Temperature	°C	-40 to +85			

\*Above specifications are for device without connector.

### Package Dimensions



### Ordering Information

RCI-①-②②-③-④-⑤-⑥-⑦

①: Stage

1-Singe Stage

2-Dual Stage

② ②: Wavelength

55 - 1550nm

SS - Specify

③: Grade

P - Premium grade

A - A grade

④: Connector Type

N - None

⑤: Fiber Type

B - 170um bare fiber

L - 900um loose tube

⑥: Fiber Length

1 - 1.0 m

S - Specify

⑦: Package Length

1 - 55mm

2 - 32mm