

## Mini RC Fiber Polarization Insensitive Isolator

### Features

Wide Operating Wavelength & Temperature  
 Low Insertion Loss  
 High Isolation  
 Compact Size  
 Low Cost

### Applications

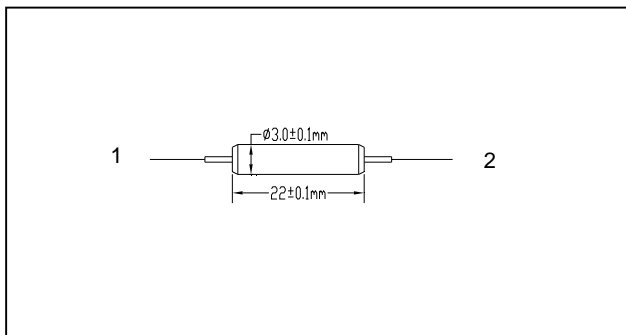
Optical Fiber Amplifier  
 Fiber Optical Sensor  
 Instrumentation  
 Compact Optical Circuits  
 Fiber Laser

### Specifications

Parameters	Unit	Values			
		Single Stage		Dual Stage	
Grade		Grade P	Grade A	Grade P	Grade A
Center Wavelength	nm	1550			
Operating Wavelength Range	nm	±20			
Typ. Peak Isolation	dB	40	38	52	50
Min. Isolation at 23°C	dB	28	26	42	40
Typ. Insertion Loss at 23°C	dB	0.9	1.0	1.0	1.1
Max. Insertion Loss at 23°C	dB	1.0	1.2	1.2	1.3
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 (CW)	mW	500			
Max. Tensile Load	N	5			
Fiber Type		RC 1550 Fiber			
Operating Temperature	°C	-5 to +70			
Storage Temperature	°C	-40 to +85			

\*Above specifications are for device without connector.

### Package Dimensions



### Ordering Information

**MRCI-①①-②-③-④④-⑤⑤-⑥**

①①: Wavelength  
 55 - 1550nm  
 SS - Specify

②: Grade  
 P - Premium Grade  
 A - A Grade

③: Stage  
 S - Single Stage  
 D - Dual Stage

④④: Connector Type on Port 1 & 2  
 N - None

⑤⑤: Fiber Jacket on Port 1 & 2  
 B - 170um Bare Fiber  
 L - 900um Loose Tube  
 S - Specify

⑥: Fiber Length  
 1 - 1.0m  
 S - Specify