



Mini RC Fiber Polarization Insensitive Isolator

(MRCI Series)

The Mini 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.

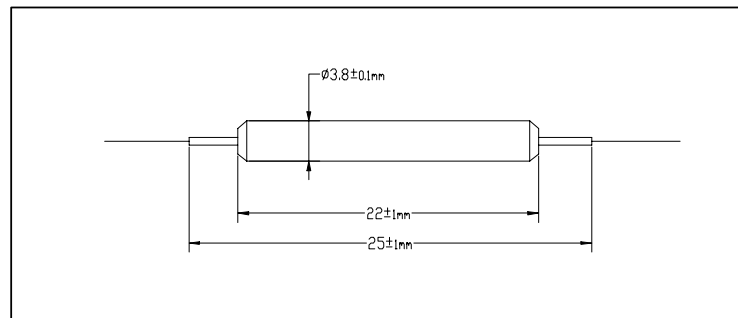


Specifications

Parameters	Unit	Single Stage		Dual Stage	
		Grade P	Grade A	Grade P	Grade A
Center Wavelength (λ_c)	nm			1550	
Typ. Peak Isolation	dB	42	40	52	50
Min. Isolation at 23°C; $\lambda_c \pm 15$ nm, all polarization states	dB	32	30	45	42
Typ. Insertion Loss at 23°C; $\lambda_c \pm 20$ nm, all polarization states	dB	0.9	1.0	1.0	1.1
Max. Insertion Loss at -5°C-70°C; $\lambda_c \pm 20$ nm, all polarization states	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	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

MRCI-①-②②-③-④-⑤-⑥

①: Stage

1-Single Stage

2-Dual Stage

②②: Wavelength

55 - 1550nm

SS - Specify

③: Grade

P - Premium grade

A - A grade

④: Connector Type

N - None

⑥: Fiber Length

1 - 1.0 m

S - Specify

⑤: Fiber Type

B - 170um bare fiber

L - 900um loose tube

S - Specify