

Mini RC Fiber Isolator (MRCI Series)

Description

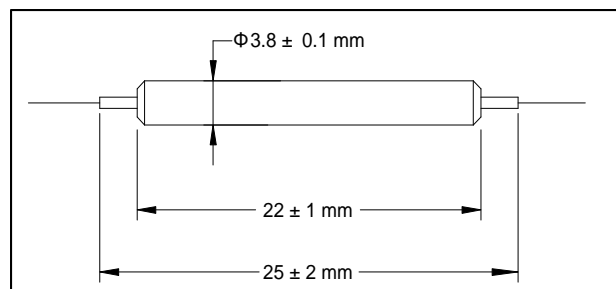
Rev 11

The Mini Polarization Insensitive Isolator series is characterized with very compact package, low insertion loss, high isolation, high return loss and excellent environmental stability and reliability. It is specifically designed to help the system and subsystem engineers to deal with the ever demanding space and density requirement.

Specifications

Parameter	Unit	Single Stage		Dual Stage	
		Grade P	Grade A	Grade P	Grade A
Center Wavelength (λ_c)	nm	1310, 1480, 1550			
Typ. Peak Isolation	dB	42	40	55	52
Min. Isolation, $\lambda_c \pm 10$ nm, 23 °C, all polarization states	dB	28	25	40	38
Typ. Insertion Loss, $\lambda_c \pm 10$ nm, 23 °C, all polarization states	dB	0.5	0.6	0.6	0.7
Max. Insertion Loss, $\lambda_c \pm 20$ nm, all temperature, all polarization states	dB	0.7	0.8	0.8	1.0
Min. Return Loss (Input/Output)	dB	50/50	50/50	50/50	50/50
Max. Polarization Dependent Loss, 23 °C	dB	0.10	0.15	0.10	0.15
Max. Polarization Mode Dispersion	ps	0.20	0.25	0.05	0.07
Max. Optical Power (Continuous Wave)	mW	300			
Max. Tensile Load	N	5			
Fiber Type	-	RC SMF Fiber (MFD 10.35 μ m)			
Operating Temperature	°C	- 5 to + 70			
Storage Temperature	°C	- 40 to + 85			

Package Dimensions



Ordering Information

MRCI-①-②②-③-④-⑤-⑥-⑦, RC SMF

①: Stage	②②: Wavelength	③: Grade	④: PMD
1 - Single Stage	55 - 1550 nm	P - Premium	2 - Refer to Above Spec.
2 - Dual Stage	SS - Specify	A - A Grade	
⑤: Connector Type	⑥: Fiber Jacket	⑦: Fiber Length	
N - None	B - Bare Fiber	1 - 1.0 m	
	L - 900 μ m Loose Tube	S - Specify	
	S - Specify		