

1310 / 1480 / 1550 nm Mini Polarization Insensitive RC Fiber Isolator

Model #: MPIFI

Description: 1310, 1480 or 1550 nm Mini Polarization Insensitive RC Fiber Isolator

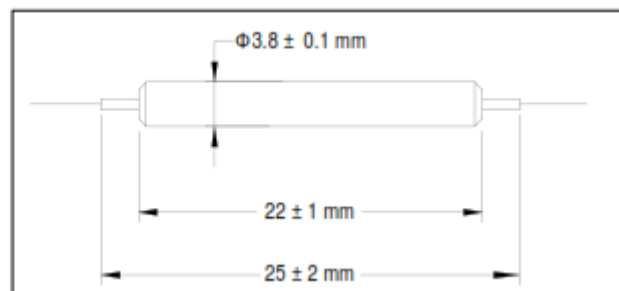
Application: Fiber amplifier, fiber laser.

Specifications:

Parameter	Unit	Specifications			
		Single Stage		Dual Stage	
		P-Grade	A-Grade	P-Grade	A-Grade
Central Wavelength	nm	1310, 1480 or 1550			
Typ. Peak Isolation	dB	42	40	55	52
Min. Isolation ($\lambda_c \pm 10$ nm, 23°C, all polarization status)	dB	28	25	38	35
Typ. Insertion Loss (λ_c , 23°C, all polarization status)	dB	0.8	1.0	0.9	1.1
Max. Insertion Loss ($\lambda_c \pm 20$ nm, all temperature, all polarization status)	dB	1.2	1.4	1.4	1.5
Min. Return Loss (input / output)	dB	50/50			
Max. Polarization Dependent Loss (23 °C)	dB	0.1	0.15	0.1	0.15
Max. Polarization Mode Dispersion	ps	0.20	0.25	0.05	0.07
Max. Optical Power (CW))	mW	300			
Max. Tensile Load	N	5			
Operating Temperature	°C	-5 to +70			
Storage Temperature	°C	-40 to + 85			
Dimension	mm	3.8 (D) x 22 (L)			
Fiber Type		RC 1550 fiber (MFD 6.5 μ m)			

Note: each connector may contribute extra 0.3 dB IL, 5 dB lower RL.

Package Dimensions



Ordering Information: MPIFI-A-BB-C-D-E-F

A: stage	BB: wavelength	C: grade	D: PMD	E: connector	E: fiber jacket	G: fiber length
1 – single stage	31 - 1310 nm	P – P-grade	2 – Specified above	N - none	B - 250 μ m Panda fiber	1 – 1.0 m
2 – dual stage	48 - 1480	A – A-grade			L - 900 μ m loss tube	X - other
	55 - 1550				X - other	
	XX - Other					