

Polarization Independent Isolator Core (IC Series)

Rev 11B

Description

The Polarization Insensitive Isolator Core is a Faraday Rotator based component for in-line fiber optic isolator. It can also integrate with other components to block back reflection or to enhance component isolation. It is insensitive to the input beams polarization state and has high isolation, low insertion loss, low PDL and low PMD.

Applications

• Protect Laser Chip

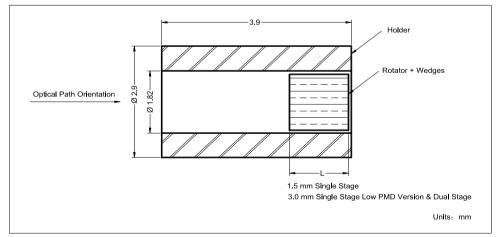
Key Features

- High Isolation
- Low Insertion Loss

Specifications

specifications						
Parameter	Unit	Value				
Stage	-	Single Stage	Dual Stage	Single Stage	Dual Stage	
Center Wavelength (λc)	nm	1310 or 1550		10	1064	
Typ. Peak Isolation	dB	42	52	38	52	
Min. Isolation, λc ± 10 nm, 23 °C	dB	30	40	25	40	
Max. Insertion Loss, 23 °C	dB	0.12/0.15 ¹	0.25	1.0	2.0	
Max. Polarization Dependent Loss, 23 °C	dB	0.05	0.05	0.05	0.05	
Max. Polarization Mode Dispersion	ps	0.2/0.05 ¹	0.05	-	-	
Clear Aperture	mm	0.9				
Max. Optical Power (Continuous Wave)	mW	300				
Operating Temperature	°C	- 5 to + 70				
Storage Temperature	°C	- 40 to + 85				
¹ For PMD Compensated Version.						

Package Dimensions



Ordering Information

IC-1)-22-3-4

1): Stage	22: Wavelength		③: PMD Requirement	(4): Optical Path Orientation	
1 - Single Stage 2 - Dual Stage	31 - 1310 nm 55 - 1550 nm	06 - 1060 nm SS - Specify	1 - 0.05 ps Max. 2 - Refer to Above Spec	F - Forward (As Indicated Above) B - Backward	

Tel: +86 756 389 8035 Web: www.fiber-resources.com Email: sales@fiber-resources.com