



## Polarization Independent Isolator Core (IC Series )

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 device isolation. It is insensitive to the input beams polarization state and has high isolation, low insertion loss, low PDL and low PMD.

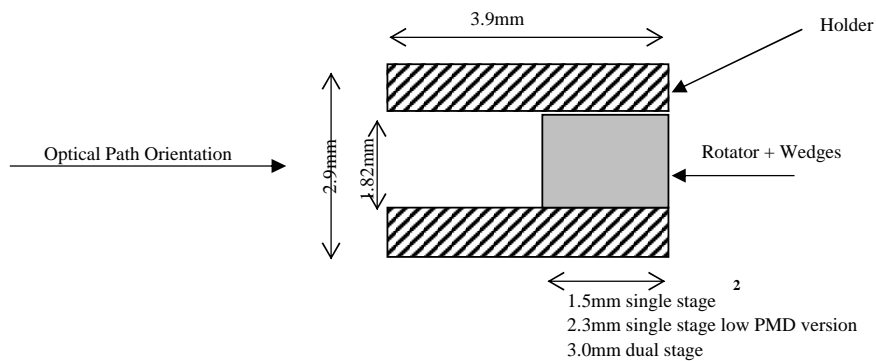


### Specifications

Parameters	Unit	Single Stage	Dual Stage	Single Stage
Center Wavelength ( $\lambda_c$ )	nm	1310 or 1550		1060
Typ. Isolation	dB	42	52	38
Min. Isolation at 23	dB	40	50	35
Max. Insertion Loss at 23	dB	0.12/0.15 <sup>1</sup>	0.25	1.0
Max. PDL at 23	dB	0.05	0.05	0.05
Max. PMD	ps	0.2/0.05 <sup>1</sup>	0.05	0.25
Operating Temperature			-5 to +70	
Storage Temperature			-40 to +85	

<sup>1</sup> For PMD Compensated Version

### Package Dimensions



<sup>2</sup> 1.8mm for 1060nm single stage

### Ordering Information

IC- - - -

: Stages

1 - Single stage

2 - Dual stage

: PMD Requirement

1 - 0.05ps max.

2 - Refer to above spec.

: Wavelength

31 - 1310 nm

55 - 1550 nm

06 - 1060nm

SS - Specify

: Optical Path Orientation

F - Forward (As indicated above)

B - Backward