

PRODUCT INFORMATION SHEET

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.

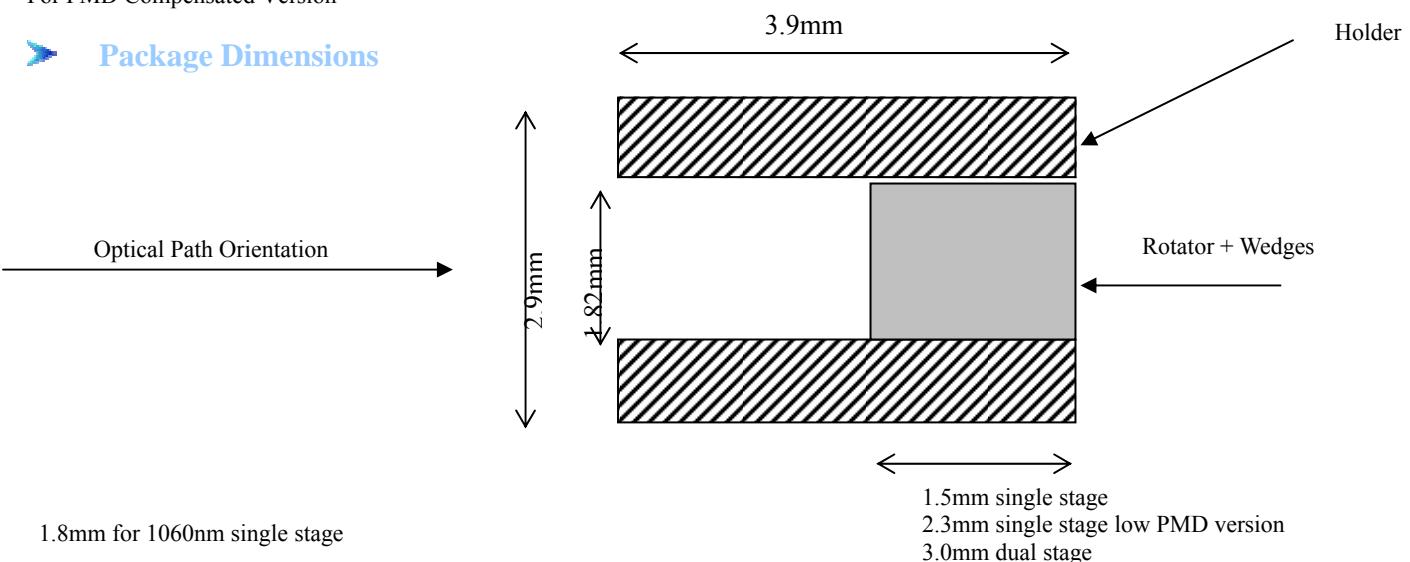


► Specifications

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

For PMD Compensated Version

► Package Dimensions



1.8mm for 1060nm single stage

► Ordering Information

IC-(1)-(2)-(3)-(4)

① Stage ② Wavelength
1-Single Stage 31 - 1310nm
2-Dual Stage 55 - 1550nm
 06 - 1060nm
 SS - Specify

③ PMD Requirement
1 - 0.05ps max.
2 - Refer to above spec.

④ Optical Path Orientation
F - Forward (As indicated above)
B - Backward