Polarization Independent Isolator Core

(IC Series)

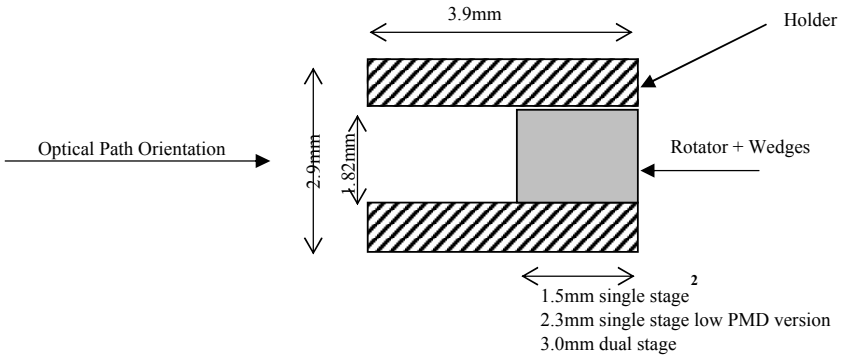
The Polarization Insensitive Isolator Core is a Faraday Rotator based component for in-line fiber optic isolator. It can also integrate with other components to block back reflection or to enhance device isolation. It is insensitive to the input beams polarization state and has high isolation, low insertion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

Specifications

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

[1] For PMD Compensated Version

Package Dimensions



[2] 1.8mm for 1060nm single stage

Ordering Information

IC-①-②②-③-④

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