

Polarization Independent Isolator Core (DL-IC-W-XX-Y-Z)

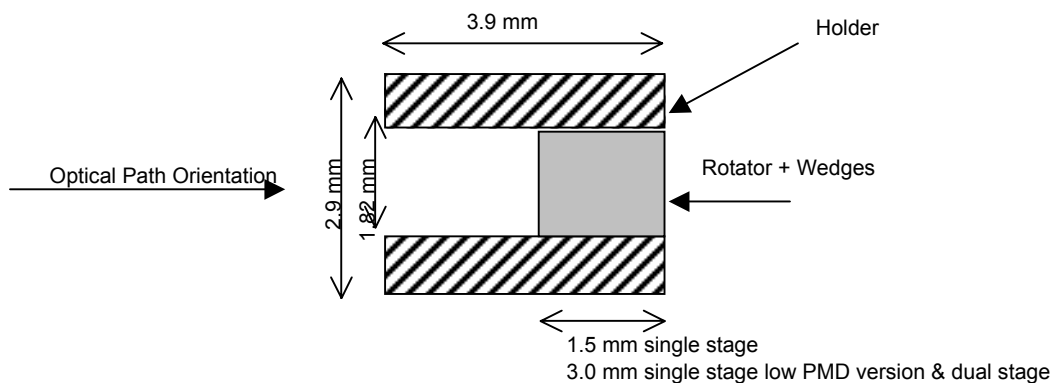
The Polarization Insensitive Isolator Core is a component (Faraday Rotator based) for in-line fiber optic isolator. It can also block back reflection and enhance device isolation. Besides being insensitive to the input beams polarization state, it also has high isolation, low insertion loss, low PDL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

A. Specifications

Parameter	Single Stage	Dual Stage	Single Stage	Dual Stage	Unit
Center Wavelength (λ_c)	1310 or 1550		1060		nm
Typ. Isolation	42	52	38	52	dB
Min. Isolation, 23 °C	40	46	35	45	dB
Max. Insertion Loss, 23 °C	0.12/0.15 ¹	0.25	1	2	dB
Max. Polarization Dependent Loss, 23 °C	0.05	0.05	0.05	0.05	dB
Max. Polarization Mode Dispersion	0.2/0.05 ¹	0.05	----	----	ps
Max. Optical Power (Continuous Wave)	300				mW
Operating Temperature	-5 to +70				°C
Storage Temperature	-40 to +85				°C

¹ For PMD Compensated Version

B. Package Dimensions



C. Ordering Information

DL-IC-W-XX-Y-Z

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