Optizone Polarization Insensitive Isolator Core

Features

High Isolation
Low Insertion Loss
Low PDL
Low PMD

Applications

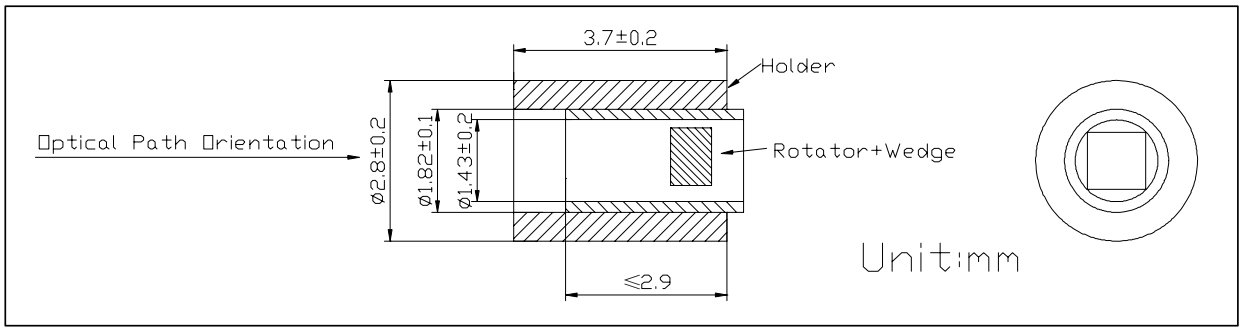
Faraday Rotator Based Component for In-ine Fiber Optic Isolator
Integrate with Other Components to Block Back Reflection
Enhance Device Isolation

Specifications

Parameters	Unit	Values			
Stage		Single Stage	Dual Stage	Single Stage	Dual Stage
Center Wavelength	nm	1310 or 1550		1064	
Operating Wavelength Range	nm	±20		±5	
Typ. Peak Isolation	dB	42	52	38	52
Min. Isolation at 23℃, λc	dB	40	50	35	48
Max. Insertion Loss at 23℃	dB	0.12/0.15[1]	0.25	1.0	2.0
Max. PDL at 23℃	dB	0.05	0.05	0.05	0.1
Max. PMD	ps	0.2/0.05[1]	0.05	-	-
Max. Optical Power (CW)	mW	300			
Max.Clear Aperture	mm	Φ0.9			
Operating Temperature	℃	-5 to +70		-5 to +50	
Storage Temperature	℃	-40 to +85			

[1]For PMD Compensated Version.

Package Dimensions



Ordering Information

PIIC-①①-②-③-④

①①: Wavelength
06 - 1064nm
55 - 1550nm
31 - 1310nm
SS - Specify

②: Stage
S - Single Stage
D - Dual Stage

③: PMD Requirement
1 - 0.05ps Max.
2 - Refer to above Spec.

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