Optizone Polarization Insensitive Isolator Core

Features

High Isolation
Low Insertion Loss
Low PDL
Low PMD

Applications

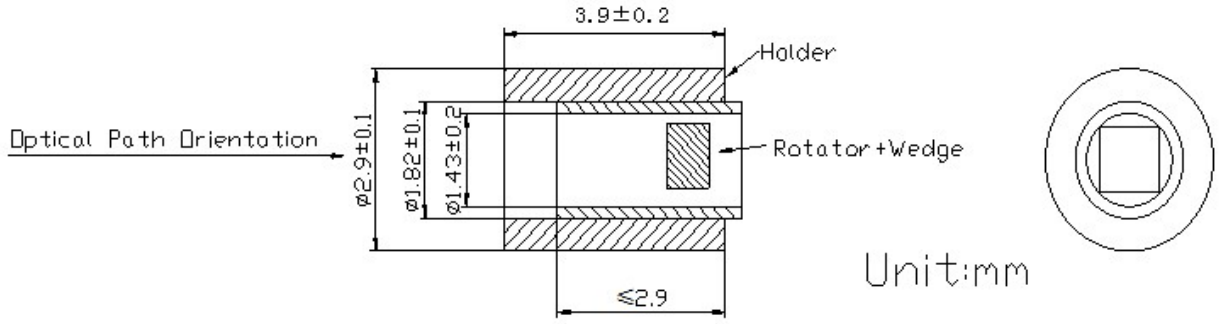
Faraday Rotator Based Component for In-ine Fiber Optic Isolator
Integrate with Other Components to Block Back Reflection
Enhance Device Isolation

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℃, λc	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			

[*]For PMD Compensated Version.
*The material must be RoHS compliant.

Package Dimensions



Ordering Information

PIIC-①①①①-②-③-④-⑤

①①①①: Wavelength
1064 - 1064nm
1550 - 1550nm
1310 - 1310nm
S - 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

⑤: Package Type
98 - Ø2.9x3.9

Optizone High Power Polarization Insensitive Isolator Core

Features

Low Insertion Loss
High Isolation
High Power Handling

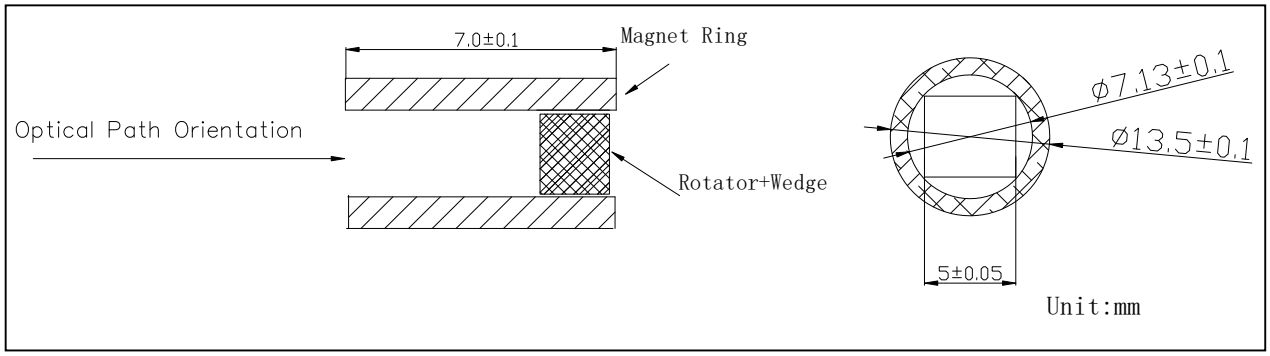
Applications

Fiber Amplifier
Fiber Laser
Instrumentation
Lab Research

Specifications

Parameters	Unit	Values	
Stage	-	Single Stage	Dual Stage
Center Wavelength (λc)	nm	1310, 1480,1550 or 1620	
Operating Wavelength Range	nm	±10	
Typ. Peak Isolation	dB	40	58
Min. Isolation at 23℃, λc	dB	30	48
Typ. Insertion Loss	dB	0.15	0.25
Max. Insertion Loss at 23℃, λc	dB	0.2	0.35
Max. PDL at 23℃	dB	0.1	0.1
Max. Optical Power (CW)	W	10	10
Max. Peak Power for ns Pulse	kW	10	
Clear Aperture	mm	Φ 4.0	
Operating Temperature	℃	-5 to +70	
Storage Temperature	℃	-40 to +85 (No Condensing)	

Package Dimensions



Ordering Information

HPIIC-①-②-③-④

①: Wavelength
1310 - 1310nm
1550 - 1550nm
1480 - 1480nm
S - Specify

②: Stage
S - Single Stage
D - Dual Stage

③: Optical Path Orientation
F - Forward
B - Backward

④: Package Type
115 - Ø13.5x7
S - Specify