Mini Polarization Insensitive Isolator 1310, 1480, 1550nm

Features

Very Compact Package
Low Insertion Loss
High Isolation
High Return Loss

Applications

Optical Fiber Amplifier
Test and Measurement
Instrumentation
Fiber Laser

Specifications

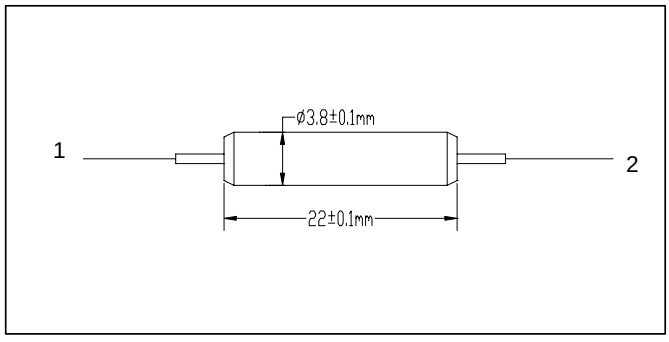
Parameters	Unit	Values			
Stage		Single Stage		Dual Stage	
Grade		Grade P	Grade A	Grade P	Grade A
Center Wavelength	nm	1310, 1480 or 1550			
Operating Wavelength Range	nm	±20			
Typ. Peak Isolation	dB	40	38	52	50
Min. Isolation at 23℃	dB	28	26	42	40
Typ. Insertion Loss at 23℃	dB	0.4	0.5	0.5	0.6
Max. Insertion Loss at -5℃-70℃	dB	0.55	0.7	0.65	0.9
Min. Return Loss (Input/Output)	dB	60 / 55	60 / 55	60/55	60/55
Max. PDL at 23°C	dB	0.05	0.1	0.1	0.15
Max. PMD	ps	0.2[1]	0.25[1]	0.05	0.07
Max. Optical Power (CW)	mW	500			
Max. Tensile Load	N	5			
Fiber Type		SMF-28e Fiber			
Operating Temperature	℃	-5 to +70			
Storage Temperature	℃	-40 to +85			

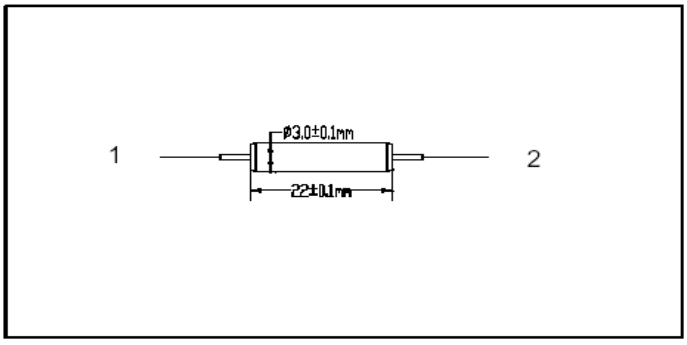
*PMD<0.05ps is available. Please refer to below ordering information.

*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.3dB higher and RL will be 5dB lower.

Package Dimensions





Ordering Information

AMPII-①①-②-③-④-⑤⑤-⑥⑥-⑦-⑧

①①: Wavelength
31 - 1310nm
48 - 1480nm
55 - 1550nm
SS - Specify

②: Grade
P - Premium Grade
A - A Grade

③: Stage
S - Single Stage
D - Dual Stage

④: PMD
1 - 0.05ps Max.
2 - Refer to above Spec.

⑤⑤: Connector Type on Port 1 & 2
1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None
S - Specify

⑥⑥: Fiber Jacket on Port 1 & 2
B - 250um Bare Fiber
L - 900um Loose Tube
T - 900um Tight Buffer Fiber
S - Specify

⑦: Fiber Length
1 - 1.0m
S - Specify