Polarization Maintaining Isolator

Features

High Isolation
Low Insertion Loss
Large Aperture Features

Applications

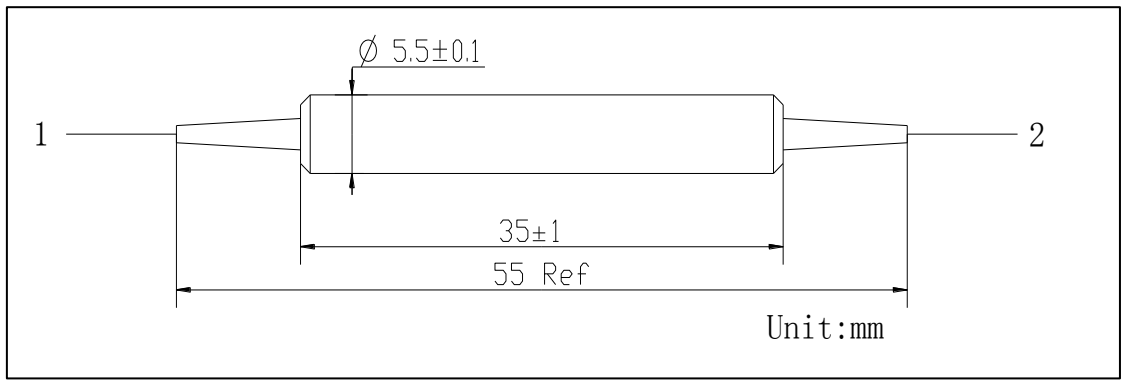
Optical Fiber Amplifier
Fiber Optic Sensor
Instrumentation
R＆D
Fiber Lasers
Radar

Specifications

Parameters	Unit	Values	
Stage		Single Stage	Dual Stage
Center Wavelength (λc)	nm	2000	
Operating Wavelength Range	nm	±50	
Min. Isolation at 23℃	dB	18	32
Typ. Insertion Loss at 23℃	dB	0.8	1.0
Max. Insertion Loss at -5℃-70℃	dB	1.1	1.3
Min. Extinction Ratio(only for B type)	dB	18	
Min. Extinction Ratio(only for F type)	dB	20	
Min. Return Loss (Input/Output)	dB	50/50	
Max. Optical Power (CW)	mW	500	
Max. Tensile Load	N	5	
Fiber Type		PM 1550 Fiber , PM 1950 Fiber or Specify	
Operating Temperature	℃	-5 to +70	
Storage Temperature	℃	-40 to +85	

*Above specifications are for device without connector.
*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower and ER will be 2dB lower.
*The PM fiber and the connector key are aligned to the slow axis.

Package Dimensions



Ordering Information

APMI-①①-②-③-④-⑤⑤-⑥⑥-⑦

①①: Wavelength
20 - 2000nm
SS - Specify

②: Fiber Type on Port 1 and 2
1 - PM 1550 Fiber
2 - PM 1950 Fiber

③: Stage
S - Single Stage
D - Dual Stage

④: Axis Alignment
F - Fast Axis Blocked
B - Both Axis Working

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 Fiber
C - 3mm Loose Tube
L - 900um Loose Tube
S - Specify

⑦: Fiber Length
0.8 - 0.8m
S - Specify