PM Isolator/Filter Wavelength Division Multiplexer Hybrid 2000/1570 nm

Features
All Fiber Construction
High Reliability
Outstanding Optical Performance
Cost Effective

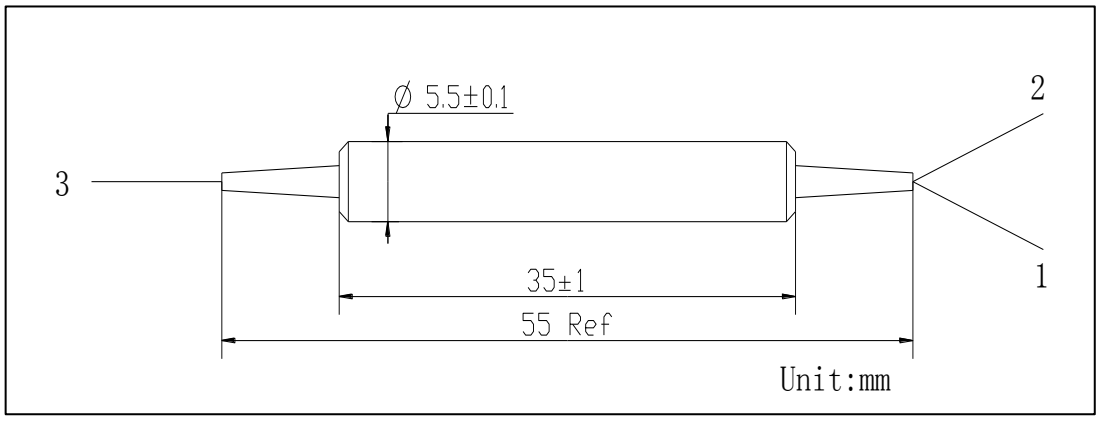
Applications
Fiber Optical Test Equipment
Fiber Sensor
Fiber Lasers
Optical Fiber Amplifier

Specifications

Parameters		Unit	Values	
Stage			Single Stage	Dual Stage
Pass Band	Signal Wavelength Range	nm	2000±50	
	Max. Insertion Loss@P→C or C→P	dB	1.3	1.6
	Typ. Insertion Loss@P→C or C→P	dB	1.1	1.3
	Min. Isolation, port 1 to port 3 (Forward Pump) or port 3 to port 1 (Backward Pump), @2000±50 nm, 23℃	dB	18	32
	Typ. Reflection Isolation(@1550~1650nm, 23℃)	dB	30	
	Min. Reflection Isolation(@1550~1650nm, 23℃)	dB	25	
	Min. Extinction Ratio (only for F-Type)	dB	20	
	Min. Extinction Ratio (only for B-Type)	dB	18	
Reflection Band	Wavelength Range	nm	1550~1650	
	Typ. Insertion Loss@R→C	dB	0.5	
	Max. Insertion Loss@R→C	dB	0.7	
	Typ. Pass Isolation(@2000±50 nm, 23℃)	dB	15	
	Min. Pass Isolation(@2000±50nm, 23℃)	dB	12	
Min. Return Loss		dB	50	
Max. Optical Power (CW)		mW	500	
Max. Tensile Load		N	5	
Fiber Type			PM 1550 panda fiber on Common & Pass ports, SMF-28e fiber on Reflect port.	
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

APMIWDM-①①①①-②-③-④-⑤⑤⑤-⑥⑥⑥-⑦

①①①①: Wavelength
2057 - 1950~2050nm Pass/
1550~1650nm Reflect

②: Pump Type
F - Forward Pump
B - Backward Pump

③: Stage
S - Single Stage
D - Dual Stage

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

⑤⑤⑤: Connector Type on Port 1, 2 & 3
1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None
S - Specify

⑥⑥⑥: Fiber Jacket on Port 1, 2 & 3
B - 250um Bare Fiber
L - 900um Loose Tube
S - Specify

⑦: Fiber Length
1 - 1.0m
S - Specify