Polarization Maintaining Tap Isolator

Features

Low PDL
Low Insertion Loss
Low Cost

Applications

Fiber Amplifier
Fiber Optic System
Fiber Laser

Specifications

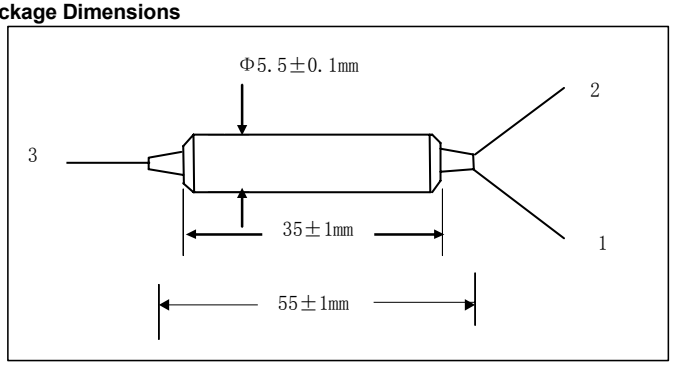
Parameters	Unit	Values	
Stage		Single Stage	Dual Stage
Center Wavelength		1310, 1480, 1550, 1590	
Operating Wavelength Range	nm	+/-20	
Max. Excess Loss	dB	0.8	0.9
Tap Ratio (Input to Tap)	%	1+/-0.2, 2+/-0.4, 3+/-0.6, 4+/-0.8, 5+/-1.0, 10+/-2.0	
Typ. Peak Isolation (Output to Input)	dB	40	58
Min. Isolation at 23℃	dB	28	48
Min. Extinction Ratio (only for B Type)	dB	20	20
Min. Extinction Ratio (only for F Type)	dB	23	23
Min. Return Loss (for all ports)	dB	50	50
Max. Optical Power (CW)	mW	500	
Max. Tensile Load	N	5	
Fiber Type		PM 1550 Panda Fiber for Input and Output Ports, SMF-28e Fiber or Panda Fiber for Tap Port	
Operating Temperature	℃	0 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, ER will be 2dB lower.

*The PM fiber and the connector key are aligned to the slow axis and fast axis is blocked.

Package Dimensions



Ordering Information

APMTAPI-①①-②-③③-④-⑤⑤⑤-⑥⑥⑥-⑦-⑧

①①: Wavelength
31 - 1310nm
48 - 1480nm
55 - 1550nm
59 - 1590nm
SS - Specify

②: Stage
S - Single Stage
D - Dual Stage

③③: Tap Ratio
01 - 1%
02 - 2%
03 - 3%
04 - 4%
05 - 5%
10 - 10%

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 Type on Tap
1 - SMF 28e Fiber
2 - PM Panda Fiber
S - Specify

⑧: Fiber Length
0.8 - 0.8 m
S - Specify