

Mini Polarization Maintaining Tap Isolator Hybrid

Features

High Extinction Ratio
 Low Insertion Loss
 Low Cost
 Small Package

Applications

Compact Fiber Amplifiers
 Compact Fiber Optic Systems
 Fiber Lasers
 Fiber Sensors

Specifications

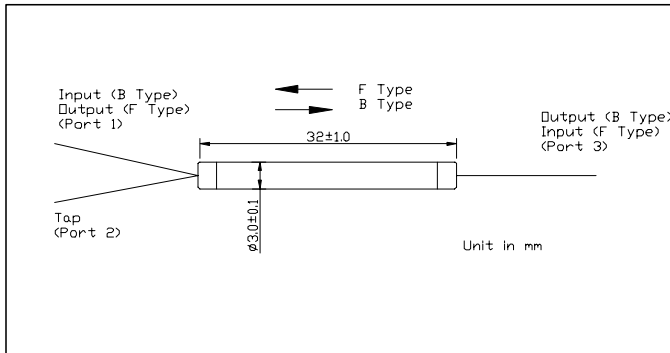
Parameters	Unit	Values	
		Single Stage	Dual Stage
Stage		Single Stage	Dual Stage
Signal Wavelength Range	nm	1530~1570	
Max. Signal Insertion Loss (Input to Output)	dB	0.8(for 1%), 1.0(for 5%)	1.0(for 1%), 1.2(for 5%)
Signal Tap Ratio (Input to Tap)	%	1+/-0.2, 5+/-1	1+/-0.2, 5+/-1
Typ. Signal Peak Isolation (Output to Input)	dB	40	52
Min. Signal Isolation at 23°C	dB	28	45
Min. Extinction Ratio (only for B Type)	dB	20	20
Min. Extinction Ratio (only for F Type)		23	23
Min. Return Loss (for all ports)	dB	50	50
Max. Optical Power (CW)	mW	300	
Max. Tensile Load	N	5	
Fiber Type		PM 1550 Panda Fiber for Input and Output Ports, SMF-28e Fiber for Tap Port	
Operating Temperature	°C	0 to +70	
Storage Temperature	°C	-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

AMPMTAPI-①①-②-③③-④-⑤⑤⑤-⑥⑥⑥-⑦

①①: Wavelength
 55 - 1550nm
 SS - Specify

②: Stage Type
 1 - Single Stage
 2 - Dual Stage

③③: Tap Ratio
 01 - 1%
 05 - 5%
 SS - Specify

④: Axis Alignment
 F - Fast Axis Blocked
 B - Both Slow and Fast 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
 0.8 - 0.8 m
 S - Specify