Mini Polarization Insensitive Tap Isolator

Features

Low PDL
Low Insertion Loss
Low Cost
Small Package

Applications

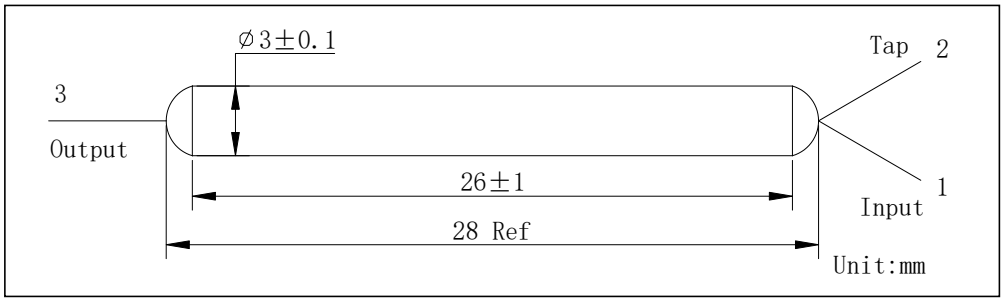
Compact Fiber Amplifiers
Compact Fiber Optic Systems
Fiber Lasers
Fiber Sensors

Specifications

Parameters	Unit	Values	
Stage		Single Stage	Dual Stage
Center Wavelength	nm	1310 or 1550	
Operating Wavelength Range	nm	±20	
Tap Ratio (Port 1 to Port 2)	%	1+/-0.2, 10+/-2 or Specify	
Typ. Peak Isolation	dB	40	55
Min. Isolation at 23℃	dB	30	45
Typ. Excess Loss at 23℃	dB	0.5	0.6
Max. Excess Loss at -5℃-70℃	dB	0.7	0.8
Min. Return Loss (Input/Output)	dB	55/55	
Max. PDL (Port 1 to Port 3, Port 1 to Port 2)	dB	0.1	0.15
Max. PMD (Port 1 to Port 3)	ps	0.25	0.1
Min Directivity (Port 3 to Port 2)	dB	55	
Max. Optical Power (CW)	mW	500	
Max. Tensile Load	N	5	
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 and RL will be 5dB lower.
*The material must be RoHS compliant.

Package Dimensions



Ordering Information

MTAPI-①①-②-③③-④-⑤⑤⑤-⑥⑥⑥-⑦-⑧-⑨

①: Wavelength
1310 - 1310nm
1550 - 1550nm
S - Specify

②: Stage
S - Single Stage
D - Dual Stage

③③: Coupling Ratio
01 - 1/99
10 - 10/90
SS - Specify

④: PMD
1 - 0.1ps Max.
2 - Refer to above Spec.

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

⑥⑥⑥: Fiber Jacket on Port 1, 2 & 3
B - Bare Fiber

⑦: Fiber Type
5 - SMF-28e
S - Specify

⑧: Fiber Length
0.8 - 0.8 m
S - Specify

⑨: Package Dimensions
07 - Ø3.0×26