

Polarization Insensitive Tap Isolator



Features

Low PDL
Low Insertion Loss
Low Cost

Applications

Fiber Amplifier
Fiber Optic System
Fiber Laser

Specifications

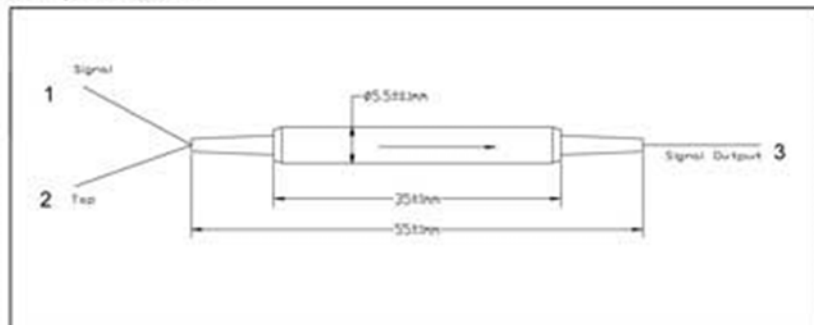
Parameters	Unit	Values	
		Single Stage	Dual Stage
Stage			
Center Wavelength	nm	1310, 1480 or 1550	
Operating Wavelength Range	nm	±20	
Max. Excess Loss	dB	0.7	0.8
Tap Ratio (Input to Tap)	%	1+/-0.2, 2+/-0.4, 5+/-1.0, 10+/-2.0	
Typ. Peak Isolation	dB	40	55
Min. Isolation at 23°C	dB	28	45
Min. Return Loss (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 ¹	0.1
Min Directivity (Port 3 to Port 2)	dB	55	
Max. Optical Power (CW)	mW	500	
Max. Tensile Load	N	5	
Fiber Type	m	SMF-28e Fiber	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to +85	

¹PMD<0.1ps is available. Please refer to below ordering information.

*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.3dB higher and RL will be 5dB lower.

Package Dimensions



Ordering Information

TAPI-①①-②-③③-④-⑤⑤⑤-⑥⑥⑥-⑦

①①: Wavelength

31 - 1310nm
48 - 1480nm
55 - 1550nm
SS - Specify

②: Stage

S - Single Stage
D - Dual Stage

③③: Coupling Ratio

01 - 1/99
02 - 2/98
05 - 5/95
10 - 10/90
SS - Specify

④: PMD

1 - 0.1ps Max.
2 - Refer to above Spec.

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