

**Polarization Insensitive Tap Isolator  
(TAPI Series)**

The Polarization Insensitive Tap Isolator combines a tap coupler and polarization insensitive isolator into a single compact package. It has low PDL and very low insertion loss variation. The component is ideally suited for fiber amplifier and fiberoptic system where signal monitoring is required.

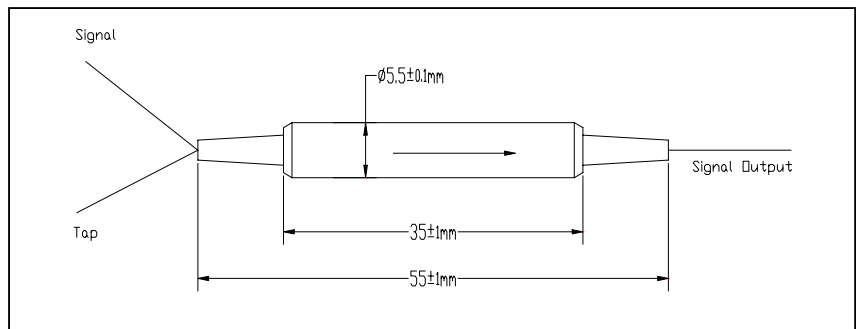
**Specifications**

Parameters	Unit	Single Stage	Dual Stage
Center Wavelength	nm	1310 or 1550	
Typ. Peak Isolation	dB	40	55
Min. Isolation at 23°; λc±15nm, all polarization states	dB	30	45
Typ. Insertion Loss* at 23°; λc±20nm, all polarization states	dB	0.45	0.6
Max. Insertion Loss* at -5° -70°; λc±20nm, all polarization states	dB	0.6	0.8
Max. PDL (1 to 3 and 1 to 2)	dB	0.1	0.15
Max. PMD (1 to 3)	ps	0.25 <sup>1</sup>	0.1
Min. Directivity (3 to 2)	dB	60	
Min. Return Loss (Input/Output)	dB	55/55	
Coupling Ratio & Tolerance**	%	1.0±0.2 or Specify	
Max. Optical Power	mW	300	
Max. Tensile Load	N	5	
Fiber Length		1	
Fiber Type	m	SMF-28 Fiber	
Operating Temperature		-5 to +70	
Storage Temperature		-40 to +85	
*Specs are only for 1% tap ratio. **Customized coupling ratio is available			
<sup>1</sup> Low PMD version is available. PMD<0.05ps			

\*Above specifications are for device without connector

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

**Package Dimensions**



**Ordering Information**

TAPI- - - - -	Stage	Wavelength	Coupling Ratio	PMD	Connector Type
	1-Single Stage	31 - 1310nm	01 - 1/99	1 - 0.05ps max	N - None
	2-Dual Stage	48 - 1480nm	SS - Specify	2 - Refer to above spec	S - Specify
		55 - 1550nm			
		SS - Specify			
		Fiber Type		Fiber Length	
		B - 250um bare fiber		1 - 1.0 m	
		L - 900um loose tube		S - Specify	