

Isolator/Tap Hybrid 1310/1550 or 1480/1550 (TAPI)

Model #: TAPI

Description: 1310/1550 or 1480/1550 nm isolator/Tap hybrids

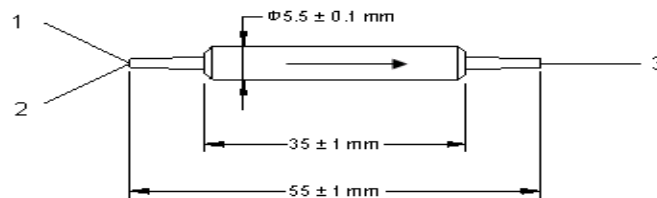
Application: Fiber amplifier, fiber laser.

Specifications:

Parameter	Unit	Specifications**	
		Single Stage	Dual Stage
Central Wavelength	nm	1310 or 1550	
Typ. Insertion Loss ($\lambda c \pm 20$ nm, 23 °C, all polarization states)	dB	0.45	0.6
Max. Insertion Loss ($\lambda c \pm 20$ nm, -5 °C to +70 °C, all polarization states)	dB	0.6	8
Typ. Peak Isolation	dB	40	55
Min. Isolation ($\lambda c \pm 10$ nm, 23 °C, all polarization states)	dB	30	45
Max. Polarization Dependent Loss	dB	0.1	0.15
Max. Polarization Mode Dispersion (Main Path)	ps	0.25*	0.05
Min. Directivity	dB	55	
Min. Return Loss	dB	55	
Coupling Ratio and Tolerance	%	1 ± 0.5	
Max. Optical Power (CW)	mW	300	
Max. Tensile Load	N	5	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to + 85	
Dimension	mm	5.5 (D) x 35 (L)	
Fiber Type		SMF-28 fiber	

* Low PMD (<0.05ps) version is available;

** Each connector may contribute extra 0.3 dB IL, 5 dB lower RL.



Order Information:

TAPI-A-BB-CC-D-E-F-G

A: isolator stage	BB: wavelength	CC: coupling ratio	D: PMD	E: connector type	F: fiber jacket	G: fiber length
1 – single stage	31 – 1310 nm	01 – 1%	1 – < 0.05 ps	1 - FC/UPC	B - 250 μ m bare fiber	1 – 1.0 m
2 – dual stage	48 – 1480 nm	XX - other	2 – Specified above	2 - FC/APC	L - 900 μ m loss tube	X - other
	55 – 1550 nm			3 - SC/UPC	X - other	
	XX - other			4 - SC/APC		
				N - none		
				X - other		