

## Polarization Maintaining Tap Isolator (DL-PMTI-S-TT-UU-V-W-X-Y-Z)

The Polarization Maintaining Tap Isolator is a combination of tap coupler and polarization sensitive isolator into a single compact package. It has high ER and very low insertion loss. It can be used for fiber amplifier and fiber optic system where signal monitoring is required.

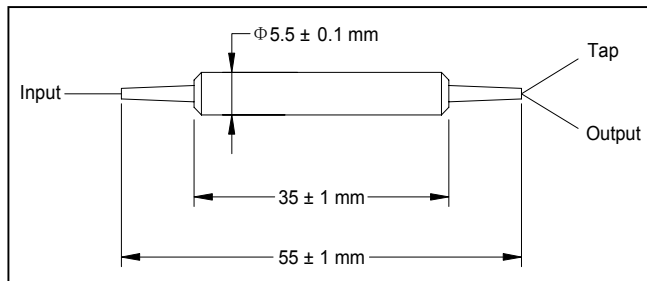
### A. Specifications

Parameter	Single Stage	Dual Stage	Unit
Center Wavelength ( $\lambda_c$ )	1310, 1480 or 1550		nm
Operating Wavelength Range	$\lambda_c \pm 15$		nm
Max. Excess Loss	0.8	0.9	dB
Tap Ratio	1 $\pm$ 0.2%, 2 $\pm$ 0.4%, 4 $\pm$ 0.8%, 5 $\pm$ 1.0%, 10 $\pm$ 2.0%		%
Typ. Peak Isolation	40	55	dB
Min. Isolation, $\lambda_c \pm 15$ nm, 23 °C, all polarization states	30	45	dB
Min. Extinction Ratio	20		dB
Min. Return Loss	50		dB
Directivity	50		dB
Max. Optical Power (Continuous Wave)	300		mW
Operating Temperature	-5 to +70		°C
Storage Temperature	-40 to +85		°C

\*IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

\*The optical path is aligned to slow axis and fast axis is blocked.

### B. Package Dimensions



### C. Ordering Information

#### DL-PMTI-S-TT-UU-V-W-X-Y-Z

S: Stage	TT: Wavelength	UU: Coupling Ratio	V: Connector Type
1 - Single stage	31 - 1310 nm	01 - 1/99 05 - 5/95	1 - FC/UPC 4 - SC/APC
2 - Dual stage	48 - 1480 nm	02 - 2/98 10 - 10/90	2 - FC/APC N - None
	55 - 1550 nm	04 - 4/96 S - Specify	3 - SC/UPC
	SS - Specify		
W: Fiber Type	X: Fiber Type for Tap Port	Y: Fiber Length	Z: Working Axis
B - 250 $\mu$ m Panda fiber	M - SMF-28	Q - 0.75 m	F - Fast axis blocked
L - 900 $\mu$ m loose tube	P - Panda fiber	S - Specify	
S - Specify	S - Specify		