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Polarization Maintaining Filter Tap
(DL-PMFTI-S-TT-UU-V-W-X-Y-Z)

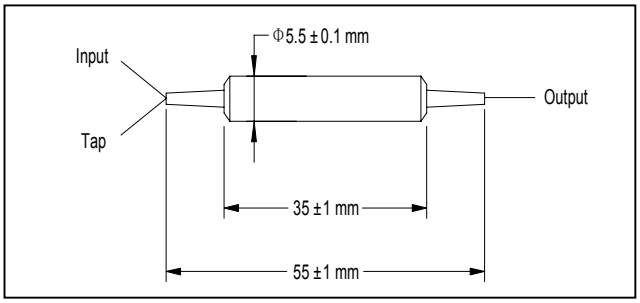
The Polarization Maintaining Tap Isolator is made up of a tap coupler and polarization sensitive/insensitive isolator It has high ER and very low insertion loss. It is suitable for fiber amplifier and fiber optic system where signal monitoring is required.

A. Specifications

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

*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.

B. Package Dimensions



C. Ordering Information

DL-PMFTI-S-TT-UU-V-W-X-Y-Z

S: Stage
1 - Single stage
2 - Dual stage

TT: Wavelength
31 - 1310 nm
48 - 1480 nm
55 - 1550 nm
SS - Specify

UU: Coupling Ratio
01 - 1/99 10 - 10/90
02 - 2/98 S - Specify
05 - 5/95

V: Connector Type
1 - FC/UPC 4 - SC/APC
2 - FC/APC N - None
3 - SC/UPC

W: Fiber Type (PM)
B - 250 μm Panda fiber
L - 900 μm loose tube

X: Fiber Type for Tap Port
M - SMF-28
P - Panda fiber

Y: Fiber Length
Q - 0.75 m
S - Specify

Z:Working Axis(tranmission)
F - Fast axis blocked
B - Both axes working