

Polarization Maintaining Tap Isolator (PMTI Series)

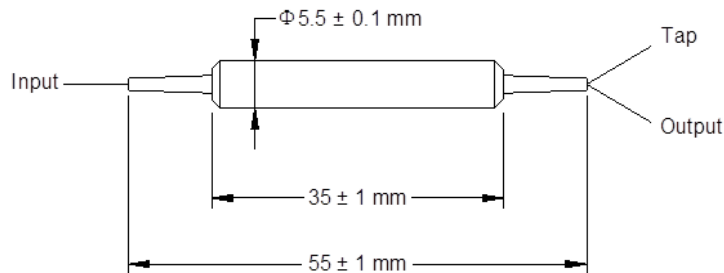
Specifications

Parameter	Unit	Single Stage				Dual Stage			
		1030	1040	1050	1064	1030	1040	1050	1064
Center Wavelength (λ_c)	nm	1030	1040	1050	1064	1030	1040	1050	1064
Operating Wavelength Range	nm	$\lambda_c \pm 5$							
Max. Excess Loss, λ_c nm, 23 °C	dB	3.4	2.5	2.2	1.8	6	3.2	3.5	2.8
Tap Ratio (Tap IL = $-10 \cdot \log(\text{Tap Ratio}) + \text{E.L.}$), 23 °C	%	0.1 \pm 0.05, 1 \pm 0.2, 2 \pm 0.4, 4 \pm 0.8, 5 \pm 1.0, 10 \pm 2.0							
Typ. Peak Isolation	dB	25	28	35	40	45	45	50	55
Min. Isolation, λ_c nm, 23 °C, all polarization states	dB	20	22	28	35	40	40	42	46
Min. Extinction Ratio	dB	20							
Directivity	dB	50							
Min. Return Loss	dB	50							
Max. Optical Power	mW	50	100	200	300	50	100	200	300
Max. Peak Power for ns pulse	kW	10							
Max. Tensile Load	N	5							
Fiber Type		PM980 Panda fiber or HI 1060 fiber for Tap PM980 Panda fiber for Input & Output							
Operating Temperature	°C	-5 to +50							
Storage Temperature	°C	-40 to +85							

IL is 0.3 dB higher, RL is 5 dB lower, ER is 2 dB lower and Optical Power is 1W only for each connector added.

Connector key is aligned to slow axis.

Package Dimensions



Ordering Information

PMTI-①-②-③-④-⑤-⑥-⑦-⑧-⑨

①: Stage	1 - Single stage, 2 - Dual stage
②: Wavelength	03 - 1030 nm, 04 - 1040 nm, 05 - 1050 nm, 06 - 1064 nm, SS - Specify
③: Coupling Ratio	0.1 - 0.1/99.9, 01 - 01/99, 05 - 05/95, 10 - 10/90, SS - Specify
④: Connector Type	1 - FC/UPC, 2 - FC/APC, N - None, S - Specify
⑤: Jacket Type	B - Bare fiber, L - 900 μ m loose tube, S - Specify
⑥: Fiber Type for Tap	1 - HI 1060, 2 - PM980, S - Specify
⑦: Fiber Length	1 - 1.0 m, S - Specify
⑧: Working Axis	F - Fast axis blocked
⑨: Power Type	C - Continuous Wave, P - Pulse Application