

Introduction



Rayzer's **Hybrid Component TAP+ISOLATOR Polarization Maintaining (PMTI)** Series product, combines Tap Coupler and Isolator into a single compact package. It has high extinction ratio and very low insertion loss. The component is ideal for fiber amplifier and fiber optic system where signal monitoring is required.



Specification

Parameters	Unit	Values			
Center Wavelength	nm	1064 ± 10		1310/1480/1550 ± 15	
Tap Ratio	dB	1 ± 0.5%, 2 ± 0.4%, 5 ± 1.0%, 10 ± 2.0%			
Stage	-	Single Stage	Dual Stage	Single Stage	Dual Stage
Max. Excess Loss	dB	1.8	2.7	0.8	0.9
Typ. Peak Isolation	dB	40	55	40	50
Min. Isolation @23°C	dB	35	45	28	45
Min. Extinction Ratio	dB	20		20	
Min. Return Loss	dB	55/50	55/50	55/50	55/50
Handing Power	mW	300		500	
Max. Tensile Load	N	5			
Fiber Type	-	PM980		PM1550	
Working Temperature	°C	-5 to +75			
Storage Temperature	°C	-40 to +85			
Package Dimension	mm	5.5x35			

*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.

*Above specifications are for device without connector and may change without notice.

Ordering Information

PMTI-①-②-③-④-⑤-⑥-⑦-⑧-⑨-⑩

①Central Wavelength	②Coupling Ratio	③Stage	④Package Dimension	⑤Fiber Type	⑥Fiber Length	⑦Fiber Jacket	⑧Connector	⑨Working Axis	⑩Power
1064-1064nm	1-1/99	S-Single	5.5x35	PM980-PM98	1-1M	0-Bare Fiber	FU-FC/PC	F-Fast Axis Blocked	
1550-1550nm	2-2/98	D-Dual		PM1550-PM1	S-Specify	1-900μm	FA-FC/APC	B-Both Axis Blocked	
S-Specify	5-5/95			S-Specify		2-2mm Cable	S-specify		
	S-Specify					3-3mm Cable			