Polarization Maintaining Tap Isolator（1064nm）

Features
Low Insertion Loss High Extinction Ratio & Isolation High stability & reliability
Application
EDFA Fiber Optical Instrument

Specifications

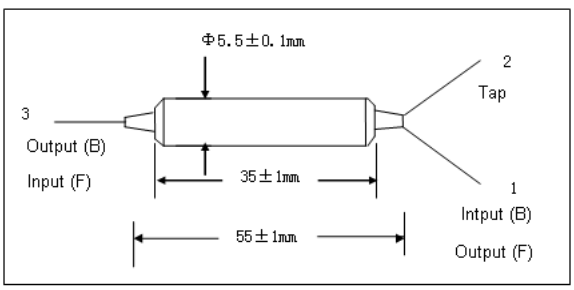
Parameter		Single Stage	Dual Stage
Operating wavelength(nm)		1064	
Bandwidth(nm)		±5	
Excess Loss (dB)		≤2.1	≤3.6
Tap Ratio (%)(Input to Tap)		1±0.2, 2±0.4, 5±1.0, 10 & 50	
Peak Isolation(Output to Input)(dB)		40	58
Isolation @23℃(Output to Input) (dB)		≥35	≥48
Extinction Ratio (Input to Output) (dB)	Type B (Both of axis working)	≥20	20
	Type F (Fast axis blocked)	≥22	≥22
Extinction Ratio (Input to Tap port) (dB)		18(only for Tap port with PM panda fiber)	
Return Loss(dB)		≥50	
Optical Power (mW)		≤300	
Fiber Type	Tap port	HI 1060 or PM Panda fiber	
	Port 1 & 3	PM Panda fiber	
Operating Temperature(℃)		-5 ~ +50	
Storage Temperature(℃)		-40~ + 85	
Package Dimensions(mm)		φ5.5 × L35 (only for bare fiber or 900um loose tube)	
		L90*W20*H9.5（ABS） (only for 3mm or 2mm cable)	

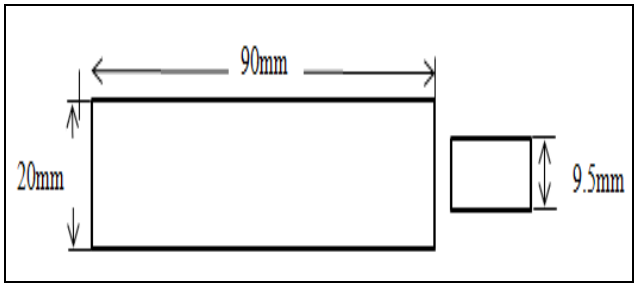
*Above specifications are for devices without the connectors.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, and ER will be 2dB lower.

*The PM fiber and the connector key are aligned to the slow axis. And for F type, fast axis is blocked, for B type, both of axis working

Package Dimensions (mm)





Ordering Information

PMTI	Wavelength	Isolator Stage	Coupling Ratio	Axis Alignment	Fiber Type on Tap port	Pigtail Type	Length	Connector
PMTI	1064=1064nm	S=Single stage D=Dual stage	1=1/99 2=2/98 3=3/97 4=4/96 5=5/95 A=10/90 B=20/80 C=30/70 D=40/60 E=50/50	F=Fast Axis Blocked B=Both Axis Working	1=HI 1060 3=PM Panda fiber	1=250um bare fiber 2=900um loose tube 3=3mm loose tube 4=2mm loose tube	H=0.5m 8=0.8m 1=1.0m 5=1.5m 2=2.0m 3=3.0m 4=4.0m A=2.5m B=5.0m	0=None 1=FC/UPC 2=FC/APC 3=LC/UPC 4=LC/APC 5=SC/APC 6=SC/UPC