Polarization Maintaining Tap Isolator

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

Specifications：

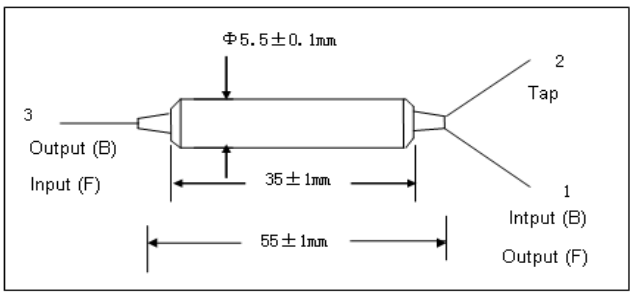
Parameter		Single Stage	Dual Stage
Operating wavelength(nm)		1310、1480、1550	
Bandwidth(nm)		±20	
Excess Loss (dB)		≤0.8	≤0.9
Tap Ratio (%)(Input to Tap)		1/99~50/50%	
Peak Isolation(Output to Input)(dB)		40	58
Isolation @23℃(Output to Input) (dB)		≥28	≥48
Extinction Ratio (Input to Output) (dB)	Type 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)		≤500	
Fiber Type	Tap port	SMF-28e or PM Panda fiber	
	Port 1 & 3	PM Panda fiber	
Operating Temperature(℃)		-5 ~ +70	
Storage Temperature(℃)		-40~ + 85	
Package Dimensions(mm)		φ5.5 × L35(P1) (only for bare fiber or 900um loose tube)	
		L90*W20*H9.5（ABS）(P2) (only for 3mm or 2mm cable)	

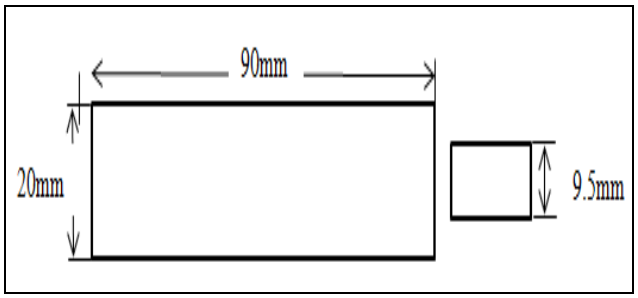
*Above specifications are for devices without the connectors.

*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：





Ordering Information

PMTI	Wavelength	Isolator Stage	Coupling Ratio	Axis Alignment	Fiber Type on Tap port	Pigtail Type	Length	Connector
PMTI	1310=1310nm 1550=1550nm	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=SMF-28e 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