Polarization Maintaining Tap Isolator

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

Specifications:

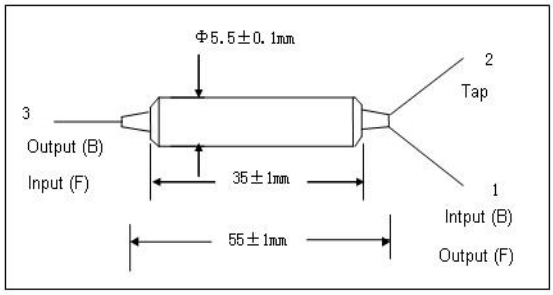
Parameter		Single Stage		Dual Stage	
Operating wavelength(nm)		1310、1480、1550	1064	1310、1480、1550	1064
Bandwidth(nm)		±20	±5	±20	±5
Excess Loss (dB)		≤0.8	≤2.0	≤0.9	≤3.5
Tap Ratio (%)(Input to Tap)		1/99~50/50%			
Peak Isolation(Output to Input)(dB)		40	40	58	55
Isolation @23℃(Output to Input) (dB)		≥28	≥30	≥48	≥45
Extinction Ratio (Input to Output) (dB)	Type B (Both of axis working)	≥20			
	Type F (Fast axis blocked)	≥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	SMF-28e or PM Panda fiber	HI1060 or PM Panda fiber	SMF-28e or PM Panda fiber	HI1060 or PM Panda fiber
	Port 1 & 3	PM Panda fiber			
Operating Temperature(℃)		-5 ~ +70	-5 ~ +50	-5 ~ +70	-5 ~ +50
Storage Temperature(℃)		-40~ + 85			
Package Dimensions(mm)		φ5.5 × L35 or φ5.5 × L38 (only for bare fiber or 900um loose tube)			
		L90*W20*H9.5（ABS）(P2) (only for 3mm or 2mm cable)			

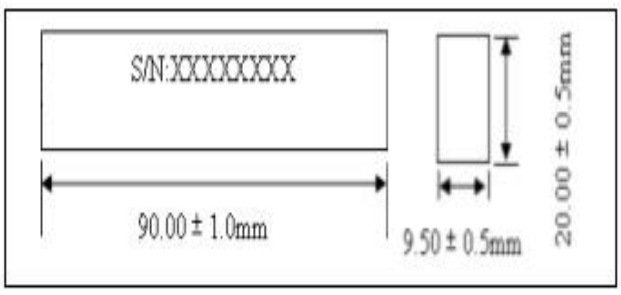
*Above specifications are for devices without the connectors.

*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:





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Ordering Information：

PMTI	Wavelength	Isolator Stage	Coupling Ratio	Axis Alignment	Fiber Type on Tap port	Pigtail Type	Length	Connector
PMTI	1064=1064nm 1310=1310nm 1450=1450nm 1480=1480nm 1550=1550nm 1580=1580nm	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 2=HI 1060 3=PM Panda fiber	1=250um bare fiber 2=900um loose tube 3=3mm loose tube 4=2mm loose tube S=Specify	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 S=Specify	0=None 1=FC/UPC 2=FC/APC 3=SC/APC 4=SC/UPC 5=MU 6=LC/UPC 7=LC/APC S=Specify