

Polarization Maintaining Tap Isolator(1550nm)

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

Specifications

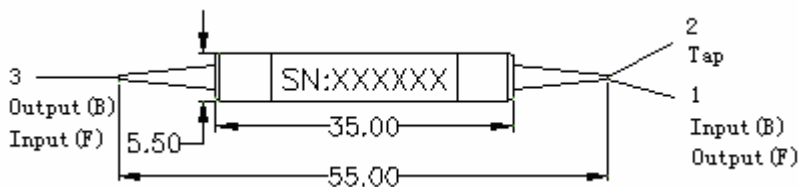
Parameter		Single Stage	Dual Stage
Operating wavelength(nm)		1550	
Bandwidth(nm)		±20	
Excess Loss (dB)		≤0.8	≤0.9
Tap Ratio (%) (Input to Tap)		1/99~50/50%	
Peak Isolation(Output to Input)(dB)		40	58
Isolation @23°C (Output to Input) (dB)		≥28	≥48
Extinction Ratio (Input to Output) (dB)	Type B (Both 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	Port 2 (Tap port)	SMF-28e or PM Panda fiber	
	Port 1 & 3	PM Panda fiber	
Operating Temperature(°C)		-5 ~ +70	
Storage Temperature(°C)		-40~ + 85	
Package Dimensions(mm)		5.5x35	

*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.

Package Dimensions (mm)



Ordering Information:

PMTISO	Wavelength	Stage	Coupling Ratio	Axis Alignment	Pigtail Type	Fiber Type	Length	Connector
	1550	S=Single stage D=Dual stage	1/99 2/98 3/97 50/50	F=Fast Axis Blocked B=Both Axis Working	250=250um bare fiber 900=900um loose tube	1=SMF-28e fiber 5=Panda fiber	0.8= 0.8m 1=1m	NE=None FA=FC/APC FC=FC/UPC SA=SC/APC SC=SC/UPC XX=Other