PM Fiber Tap/Isolator/WDM Hybrid Device(980/1550, 1480/1550)

Features
High ER & High Isolation Low Insertion Loss High Stability and Reliability
Application
Fiber Amplifier

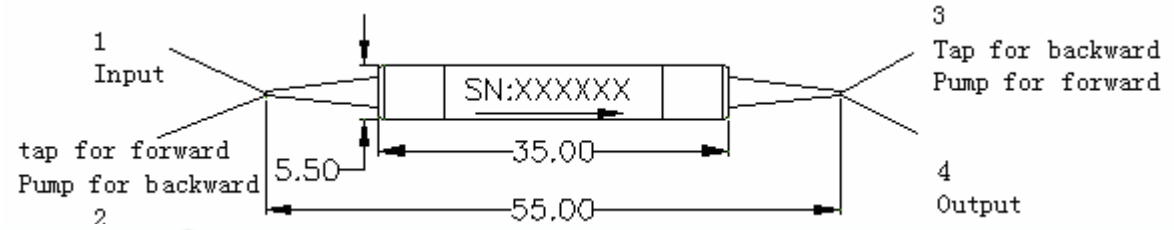
Specifications:

Parameter		1550/980 1550/1480	
Isolator stage		Single stage	Dual stage
Signal Wavelength Range(mm)		1530~1565	
Pump Wavelength Range(nm)		960~990 or 1460~1490	
Signal Tap Ratio (%)(Input to Tap)		1±0.2, 2±0.4, 5±1, 10±2,50	
Typ.Signal Peak Isolation(Out put to Input) (dB)		40	55
Signal Isolation at 23 ℃(Out put to Input) (dB)		≥22	≥42
Pump Insertion Loss(Pump Channel) (dB)		≤0.6(for 980nm pump) ≤0.5(for 1480nm pump)	
Signal Insertion Loss(Input to Output)(dB)	Tap 1%	≤1.4	≤1.5
	Tap 2%	≤1.5	≤1.6
	Tap 5%	≤1.6	≤1.7
	Tap 10%	≤1.8	≤1.9
	Tap 50%	≤4.5	≤4.6
Extinction Ratio (Input to Output) (dB)	Type F (Fast axis blocked)	≥22	
	Type B (Both of axis working)	≥20	
Extinction Ratio (Pump Channel or Tap port) (dB)		18(only for Pump port or Tap port with PM Fiber)	
Return Loss (all Ports)(dB)		≥50	
Directivity (Pump to Tap)(dB)		≥50	
Fiber Type	Common /Signal Port	PM1550	
	Tap Port	SMF-28e or PM1550	
	Pump Port	SMF-28e or HI1060 or PM 980	
Optical Power (mW)(CW)		≤300	
Operating Temperature(℃)		0 ~ +70	
Storage Temperature(℃)		-40~ + 85	
Package Dimension (mm)		φ5.5x35(P1)	

*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.

Package Dimensions



Ordering Information:

PMTI WDM	Wavelength	Stage	Coupling Ratio	Pump Directon	Working axis	Pigtail Type	Fiber Type	Length	Connector
	T1550T/R980 T1550/R1480	S=Single Stage D=Dual Stage	1% 2% 5% 10% 50%	B=Backward F=Forward	F=Fast Axis Blocked B=Both Axis Working	250=250um bare fiber 900=900um loose tube	1=SMF-28e 4=HI1060 5=PM Fiber	0.8=0.8m 1=1m	NE=None FC=FC/UPC SC=SC/UPC FA=FC/APC SA=SC/APC LC=LC/UPC XX=Other