

## High Powr Polarization Maintaining Tap Isolator

<b>Features:</b>
Low Insertion Loss High Extinction Ratio & Isolation High stability & reliability & High Power
<b>Application:</b>
EDFA Fiber Optical Instrument

### Specifications:

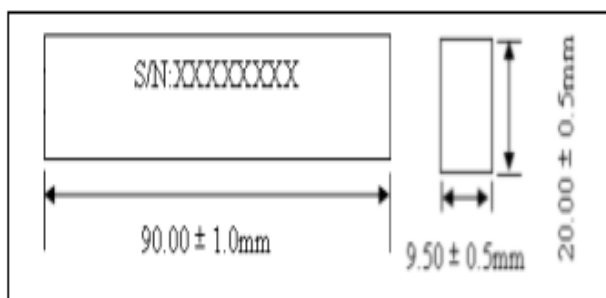
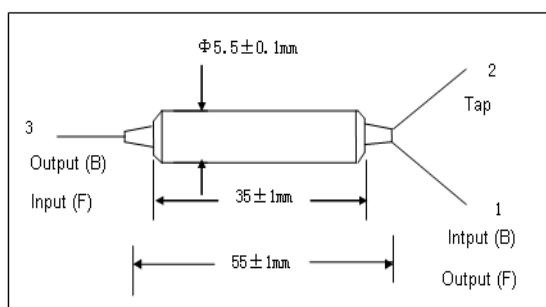
Parameter		Single Stage	Dual Stage
Operating wavelength(nm)		1310、1480、1550	
Bandwidth(nm)		±20	
Excess Loss (dB)		≤0.9	≤1.0
Tap Ratio (%)(Input to Tap)		0.1/99.9~50/50%	
Peak Isolation(Output to Input)(dB)		40	58
Isolation @23°C(Output to Input) (dB)		≥28	≥48
Extinction Ratio (Input to Output) (dB)	Type B (Both of axis working)	≥20	
	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	
Power Handling (W)		1,2,3,4,5,6,Specify	
Pulse power (Kw)		1	
Fiber Type	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)		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.and max handling power is 1W.

\*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:

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CAT0420 REV01

HPMTI	Wavelength	Isolator Stage	Coupling Ratio	Axis Alignment	Power	Fiber Type on Tap port	Pigtail Type	Length	Connector
HPMTI	31=1310nm 45=1450nm 48=1480nm 55=1550nm 58=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 S=0.1/99.9	F=Fast Axis Blocked B=Both Axis Working	1=1W 2=2W 3=3W 4=4W 5=5W 6=6W S=Specify	1=SMF-28e 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