

## Polarization Maintaining Filter WDM and Tap Hybrid Device

<b>Features:</b>
Low Insertion Loss High Extinction Ratio & High Isolation High stability and reliability
<b>Application:</b>
Fiber Laser Fiber Amplifier Testing equipment

**Specifications:**

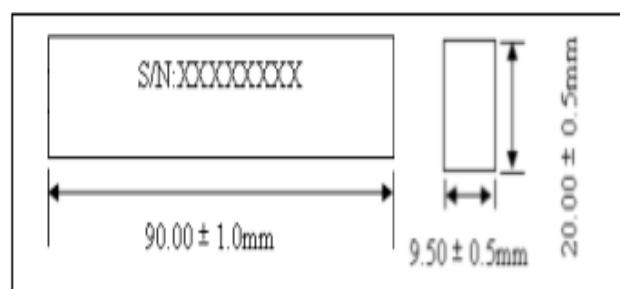
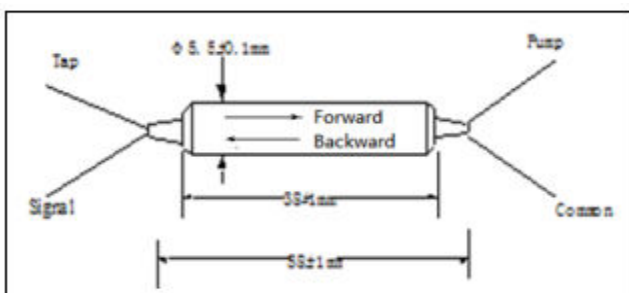
Parameter	Type	
	1064/980	
Signal wavelength range (nm)	1030,1064	
Excess Loss for Signal (dB)	1.2	
Tap Ratio @ Signal to Tap (Forward Pump), Common to Tap (Backward Pump) (dB)	1%,5%,10%,30%,50%	
Pump Wavelength Range (nm)	960~990	
Insertion Loss for Pump to Common (dB)	≤0.6(Typ.0.4)	
Isolation @ Common to Pump, 1064nm (dB)	≥15	
Isolation @ Common to Signal,960-990nm(dB)	≥30	
Directivity @ Pump to Signal @980nm (dB)	≥50	
Return Loss (dB)	≥50	
Extinction Ratio (dB)	≥20	
Thermal Stability (dB/°C)	≤0.005	
Power handling CW (mW)	≤300	
Tensile Load(N)	≤5	
Fiber Type	Input & output Port	PM 980
	Tap Port	PM 980 or HI 1060
	Pump Port	PM 980 or HI1060
Operating temperature (°C)	0 ~ +70	
Storage temperature (°C)	-40 ~ +85	
Dimensions (mm)	φ5.5 × L38(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 fast axis is blocked.

**Package Dimensions:**



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CAT0228 REV01

### Ordering Information:

PMTWDM	Wavelength	Tap ratio	Pump Type	Working axis	Fiber type on pump	Pigtail Type	Length	Connector
	39=1030nm Signal/980nm Pump 69=1064nm Signal/980nm Pump	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	B=Backward Pump F=Forward Pump	B=Both Axis Working F=Fast axis blocked	1=Panda fiber 2=HI1060	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