Polarization Maintaining Fiber Tap/Isolator/WDM Hybrid Device

Features	
High ER & High Isolation Low Insertion Loss High Stability and Reliability	
Application	
Fiber Amplifier、Fiber Laser Fiber optic Instrument	

Specifications:

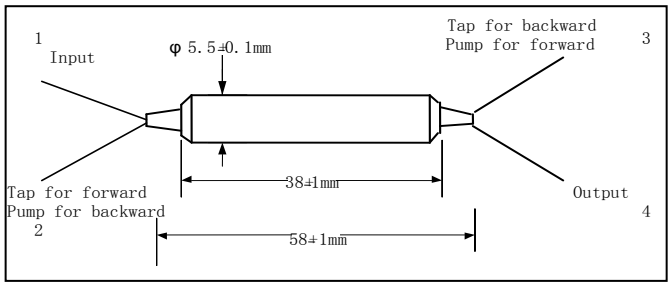
Parameter		69:1064/980	
Isolator stage		Single stage	Dual stage
Signal Wavelength Range(nm)		1064±5	
Signal Tap Ratio (%)(Input to Tap)		1±0.2, 2±0.4, 5±1, 10±2,50	
Typ.Signal Peak Isolation(Output to Input) (dB)		40	52
Signal Isolation at 23 ℃(Output to Input) (dB)		≥30	≥42
Signal Insertion Loss(Input to Output)(dB)	Tap 1%	≤2.7	≤3.8
	Tap 2%	≤2.8	≤3.9
	Tap 5%	≤3.0	≤4.1
	Tap 10%	≤3.2	≤4.3
	Tap 30%	≤4.25	≤5.35
	Tap 40%	≤4.90	≤6.00
	Tap 50%	≤5.7	≤6.8
Pump Wavelength Range(nm)		960~990	
Pump Insertion Loss(Pump Channel) (dB)		≤0.6	
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	PM980	
	Tap Port	HI 1060 or PM980	
	Pump Port	HI1060 or PM 980	
Optical Power (mW)(CW)		≤300	
Operating Temperature(℃)		0 ~ +50	
Storage Temperature(℃)		-40~ + 85	
Package Dimension (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)	

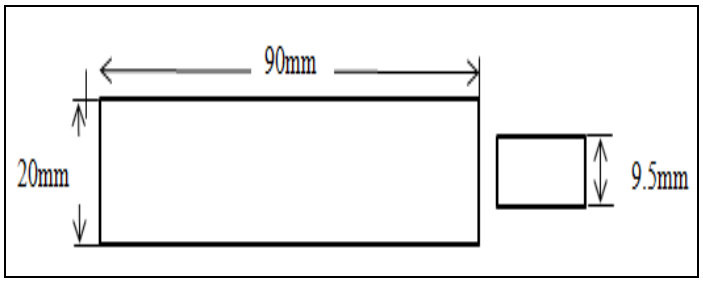
*Above specifications are for devices without the connectors.

*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 for F type, fast axis is blocked.

Package Dimensions





Ordering Information

PTIW	Signal & Pump Wavelength	Isolator stage	Pump Type	Coupling Ratio	Working axis	Fiber Type on Pump	Fiber Type on Tap	Pigtail Type	Pigtail Type Length	Connector
	69=1064nm Signal/980nm Pump	S=Single Stage D=Dual Stage	B=Backward Pump F=Forward 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	F=Fast Axis Blocked B=Both Axis Working	2=HI1060 3=PM Fiber	2=HI1060 3=PM Fiber	1=250um bare fiber 2=900um loose tube 3=3mm loose tube 4=2mm loose tube	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	0=None 1=FC/UPC 2=FC/APC 3=LC/UPC 4=LC/APC 5=SC/APC 6=SC/UPC