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：

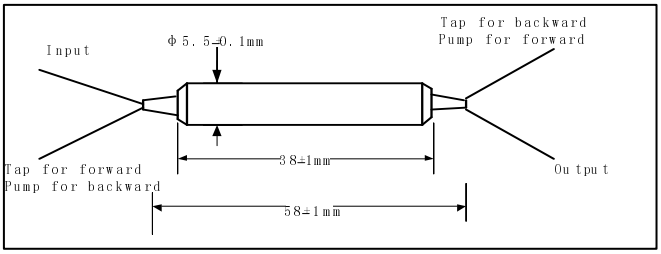
Parameter		59：1550/980		54：1550/1480		69：1064/980	
Isolator stage		Single stage	Dual stage	Single stage	Dual stage	Single stage	Dual stage
Signal Wavelength Range(mm)		1530-1565		1530-1565		1064±5	
Signal Tap Ratio (%)(Input to Tap)		1±0.2, 2±0.4, 5±1, 10±2,20,30,40,50,					
Typ.Signal Peak Isolation(Out put to Input) (dB)		40	55	40	55	40	52
Signal Isolation at 23 ℃(Out put to Input) (dB)		≥28	≥46	≥28	≥46	≥30	≥42
Signal Insertion Loss(Input to Output)(dB)	Tap 1%	≤1.3	≤1.4	≤1.3	≤1.4	≤2.7	≤3.8
	Tap 2%	≤1.4	≤1.5	≤1.4	≤1.5	≤2.8	≤3.9
	Tap 5%	≤1.5	≤1.6	≤1.5	≤1.6	≤3.0	≤4.1
	Tap 10%	≤1.7	≤1.8	≤1.7	≤1.8	≤3.2	≤4.3
	Tap 15%	≤2.0	≤2.1	≤2.0	≤2.1	≤3.4	≤4.5
	Tap 30%	≤2.7	≤2.8	≤2.7	≤2.8	≤4.25	≤5.35
	Tap 40%	≤3.5	≤3.6	≤3.5	≤3.6	≤4.9	≤6.0
	Tap 50%	≤4.4	≤4.5	≤4.4	≤4.5	≤5.7	≤6.8
Pump Wavelength Range(nm)		960~990		1460~1490		960~990	
Pump Insertion Loss(Pump Channel) (dB)		≤0.6		≤0.5		≤0.6	
Extinction Ratio (Input to Output) (dB)	Type F (Fast axis blocked)	≥22					
	TypeB (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 (dB)		≥50					
Directivity (Pump to Tap)(dB)		≥50					
Fiber Type	Common /Signal Port	PM1550		PM1550		PM980	
	Tap Port	SMF-28e or PM1550		SMF-28e or PM1550		HI1060 or PM 980	
	Pump Port	HI1060 or PM 980		SMF-28e or PM 1550		HI1060 or PM 980	
Optical Power (mW)(CW)		≤300					
Operating Temperature(℃)		0～+70				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)					

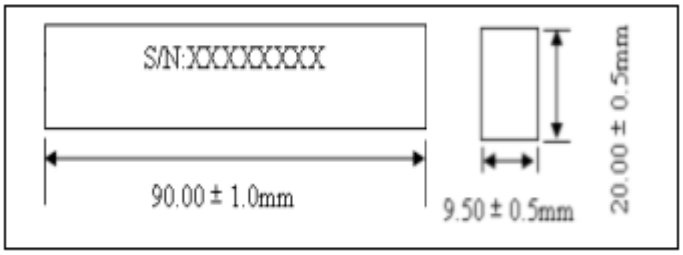
*Above specifications are for devices without the connectors.

*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
	59=1550nm Signal/980nm Pump 54=1550nm Signal/1480nm Pump 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	1=SMF-28e 2=HI1060 3=PM Fiber	1=SMF-28e 2=HI1060 3=PM 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