

## Tap/Isolator WDM Hybrid Device (TIWDM)

**Features:**

Wide pass band  
 Low insertion loss  
 High isolation  
 High stability and reliability

**Application:**

EDFA system

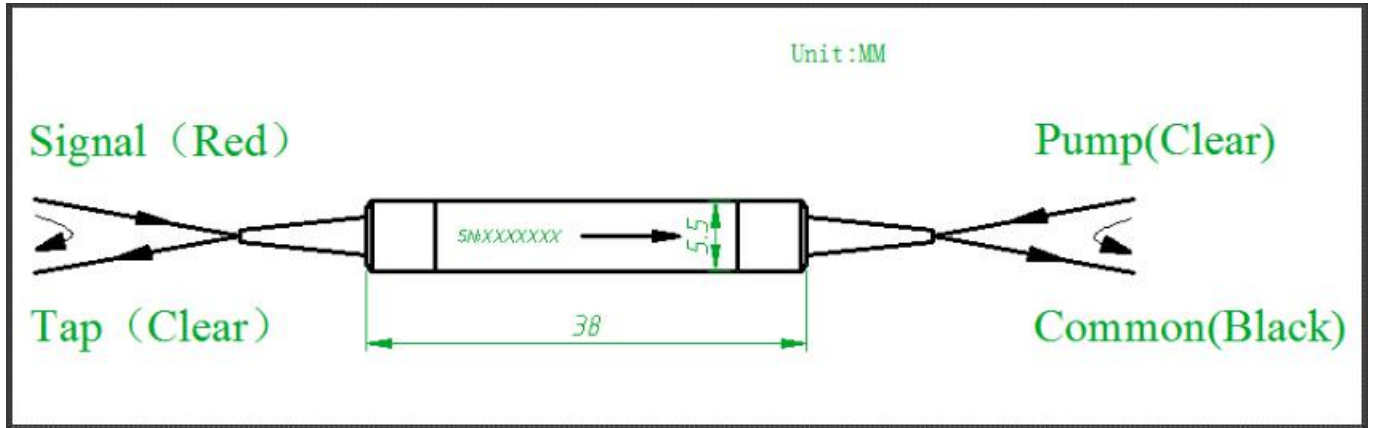
**Specifications:**

Parameter		1550/980		1550/1480		
Isolator stage		Single stage	Dual stage	Single stage	Dual stage	
Signal Wavelength Range(mm)		1528-1564( C Band) 1570-1605 (L Band)		1528~1564 ( C band) 1570-1605 (L band)		
Pump Wavelength Range(nm)		965-1000		1450~1490		
Isolation for COM to Signal@23°C,Signal Wavelength , all SOP (dB)		≥28	≥45	≥28	≥45	
Wavelength Isolation (dB)	Signal Channel for Signal to COM@Pump Wavelength	≥30		≥30		
	Pump Channel for Pump to COM@Signal Wavelength	≥15		≥15		
Insertion Loss (0-70°C,all Sop) (dB)	Pump Channel for Pump to COM@Pump Wavelength	≤0.6	≤0.6	≤0.6	≤0.6	
	Signal Channel for Signal to COM (Excess Loss) @Signal Wavelength	≤1.3	≤1.4	≤1.1	≤1.3	
	Tap Channel for Signal To Tap@Signal Wavelength	Tap 1%	19.2-23.0		19.2-23.0	
		Tap 2%	16.2-18.5		16.2-18.5	
		Tap 5%	12.2-14.5		12.2-14.5	
Tap 10%		9.2-11.2		9.2-11.2		
WDL (dB)		≤0.3	≤0.3	≤0.3	≤0.3	
PDL (dB)		≤0.1	≤0.15	≤0.1	≤0.15	
PMD (ps)		≤0.25	≤0.05	≤0.25	≤0.05	
Return Loss (dB)		≥50				
Directivity (dB)		≥55				
Fiber Type	Common	SMF-28e or HI1060		SMF-28e		
	Pump Port	HI1060		SMF-28e		
	Signal/Tap port	SMF-28e				
Optical Power (mW)		≤300				
Operating Temperature(°C)		0 ~ +70				
Storage Temperature(°C)		-40~ + 85				
Package Dimension (mm)		SUS tube Φ5.5*38 / Glass tube Φ4.2*30 Mini size SUS Φ3.8 x32mm /Glass tube Φ3.2 x28mm SUS Φ3.0 x32mm /Glass tube Φ2.8 x26mm		SUS tube 5.5x38		

\*Above specifications are for devices without the connectors.

\*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower

### Packing Dimensions:



### Ordering Information:

TIWDM	Signal/pump Wavelength	Isolator Stage	Coupling Ratio	Package type	Pigtail Type	Length	Connector
	5598=1528~1564T /980R	S=Single Stage	1=1%	1= $\Phi$ 5.5*38	1=250um	H=0.5m	0=None
	5998=1570~1605T /980R	D=Dual Stage	2=2%	2= $\Phi$ 4.2*30	bare fiber	8=0.8m	1=FC/UPC
	5548=1528~1564T /1480R		5=5%	3= $\Phi$ 3.8 x32	2=900um	1=1.0m	2=FC/APC
	5948=1570~1605T /1480R		A=10%	4= $\Phi$ 3.2 x28	loose tube	B=5.0m	3=SC/APC
			B=20%	5= $\Phi$ 3.0 x32	S=Specify	S=Specify	4=SC/UPC
			C=30%	6= $\Phi$ 2.8 x26			6=LC/UPC
			D=40%				7=LC/APC
			E=50%				S=Specify