Tap/Isolator WDM Hybrid Device (TIWDM)

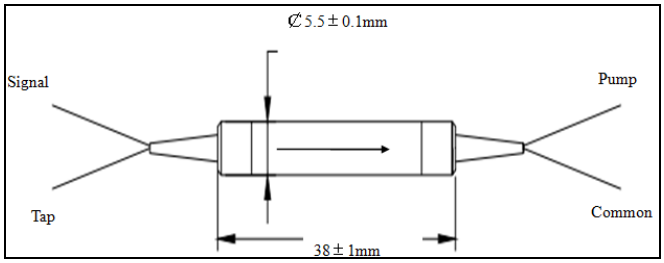
Features
Wide pass band、Low insertion loss High isolation、High stability and reliability
Application
EDFA system

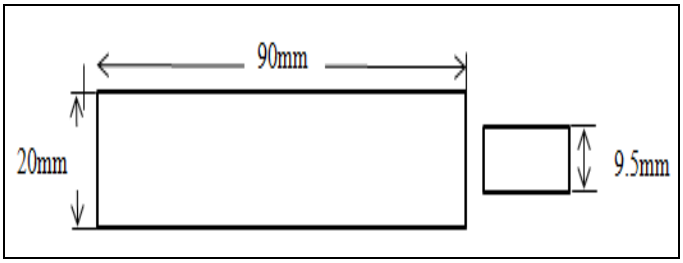
Specifications：

Parameter			1550/980		1550/1480	
Isolator stage			Single stage	Dual stage	Single stage	Dual stage
Signal Wavelength Range(mm)			1530~1580		1530~1580	
Pump Wavelength Range(nm)			960~990		1450~1490	
Isolation@23 ℃, (1550±15 for Single Stage, 1550±30 for Dual Stage) (dB)			≥30	≥40	≥30	≥40
Insertion Loss (dB)	Pump Channel@Pump Wavelength for Pump to Common		≤0.6（Typ.0.4）			
	Signal Channel（Excess Loss）@Signal Wavelength for Signal to Common		≤1.2	≤1.4	≤1.1	≤1.3
	Tap Channel@Signal Wavelength for Signal Wavelength	Tap 1%	19.2-22.0			
		Tap 2%	16.2-18.0			
		Tap 5%	12.2-14.0			
		Tap 10%	9.2-11.5			
		Tap 50%	≤4.0			
PDL (dB)			≤0.1	≤0.20	≤0.1	≤0.20
PMD (ps)			≤0.25	≤0.1	≤0.25	≤0.1
Return Loss (dB)			≥50			
Directivity (dB)			≥55			
Fiber Type			1480nm pump: SMF-28e on all ports 980nm pump: HI 1060 on pump and common ports, SMF-28e on other ports			
Optical Power (mW)			≤500			
Operating Temperature(℃)			0 ~ +70			
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 device without connector.

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





Ordering Information:

TIWDM	Signal/pumpWavelength	Isolator Stage	Coupling Ratio	Package type	Pigtail Type	Length	Connector
	5598=T1550nm/R980nm 5548=T1550nm/R1480nm	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	1=Φ5.5XL38mm 2=90*20*9.5mm	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