

Tap/Isolator WDM Hybrid Device (TIWDM)

Features	
Wide Operating Wavelength Low IL & PDL & High Isolation High Stability and Reliability	
Application	
Fiber Amplifier WDM System Fiber optic Instrument	

Specifications:

Parameter		980/1550		1480/1550	
Isolator stage		Single stage	Dual stage	Single stage	Dual stage
Signal Wavelength Range(mm)		1528-1564(C Band) 1570-1605 (L Band)		1530~1565 (C band) 1570-1605 (L band)	
Pump Wavelength Range(nm)		965-1000		1450~1490	
Isolation@23°C, all SOP (dB)		≥31	≥45	≥31	≥45
Wavelength Isolation (dB)	Signal Channel	≥12		≥12	
	Pump Channel	≥30		≥30	
Insertion Loss (0-70°C, all Sop)	Pump Channel	≤0.6	≤0.6	≤0.6	≤0.6
	Signal Channel	≤1.3	≤1.4	≤1.1	≤1.3
	Tap 1%	19.0-20.8		19.0-20.8	
	Tap 2%	16.2-18.0		16.2-18.0	
	Tap 5%	12.2-14.0		12.2-14.0	
WDL (dB)		≤0.5	≤0.5	≤0.5	≤0.5
PDL (dB)		≤0.1	≤0.2	≤0.1	≤0.1
PMD (ps)		≤0.25	≤0.05	≤0.25	≤0.05
Return Loss (dB)		≥50			
Directivity (dB)		≥55			
Fiber Type	Common /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)		5.5x38			

Ordering Information

TIWDM	Wavelength	Stage	Coupling Ratio	Pigtail Type	Fiber Type	Length	Connector
	1550T/980R 1590T/980R 1550T/1480R 1590T/1480R	S=Single Stage D=Dual Stage	1% 2% 5% 10%	250=250um bare fiber 900=900um loose tube	1=SMF-28e 4=HI1060	1=1m	NE=None FC=FC/UPC SC=SC/UPC FA=FC/APC SA=SC/APC LC=LC/UPC XX=Other