

Isolator+ Tap Hybrid Device (TAPI)

Features:

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

Application:

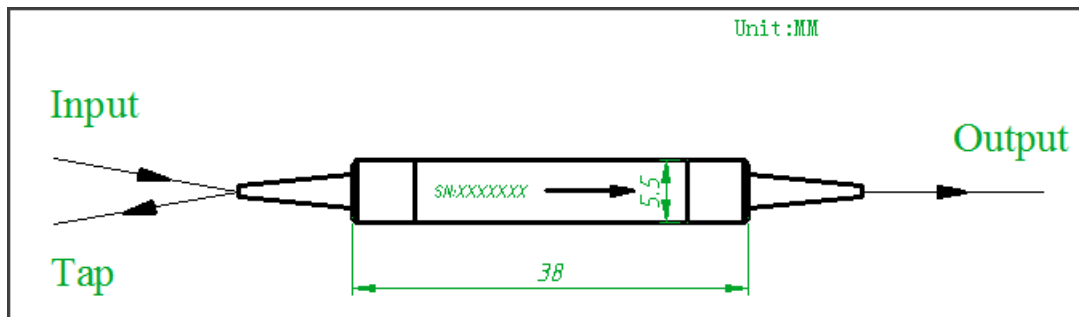
EDFA system

Specifications:

Parameter	1550		1580	
	Single Stage	Dual Stage	Single Stage	Dual Stage
Isolator Stage	Single Stage	Dual Stage	Single Stage	Dual Stage
Operating Wavelength range(nm)	1550+/-15, 1580+/-15			
Excess Loss(Input to Output) (dB)	≤0.70	≤0.80	≤0.70	≤0.80
Tap ratio (Input to Tap)(%(dB))	1+/-0.4(19.2~23.0), 2+/-0.4(16.2~18.5), 5+/-1.0(12.2~14.0), 10+/-2.0(9.2~11.0)			
Typ. Peak Isolation(Output to Input)(dB)	40.0	55.0	40.0	55.0
Isolation(Output to Input)@23°C	≥28.0	≥45.0	≥28.0	≥45.0
PMD(Input to Output) (ps)	≤0.25	≤0.1	≤0.25	≤0.1
PDL(Input to Output,Input to Tap) (dB)	≤0.10	≤0.15	≤0.10	≤0.15
Directivity (Output to Tap)(dB)	≥55			
Return loss (dB)	≥55			
Power handling (mW)	≤500			
Fiber Type	SMF-28e For all ports			
Operating temperature (°C)	0 ~ +70			
Storage temperature (°C)	-40 ~ +85			
Package dimension (mm)	Φ5.5 × L38(P1)			

*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:

TAPI	Wavelength	Isolator Stage	Coupling Ratio	0	Package type	Pigtail Type	Length	Connector
	1550=1550nm 1580=1580nm	S=Single Stage D=Dual Stage	1=1% 2=2% 5=5% A=10%	0	1=P1(5.5*38) 2=P2(4.2* ≤ 32mm Glass tube)	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 y	0=None 1=FC/UPC 2=FC/APC 3=SC/APC 4=SC/UPC 5=MU 6=LC/UPC 7=LC/APC S=Specify