

Tap/Isolator/Filter WDM Hybrid Device (TIWDM)

Features:

Wide Operating Wavelength
Low IL & PDL & High Isolation
High Stability and Reliability

Applications:

Fiber Amplifier
WDM System
Fiber Optic Instrument

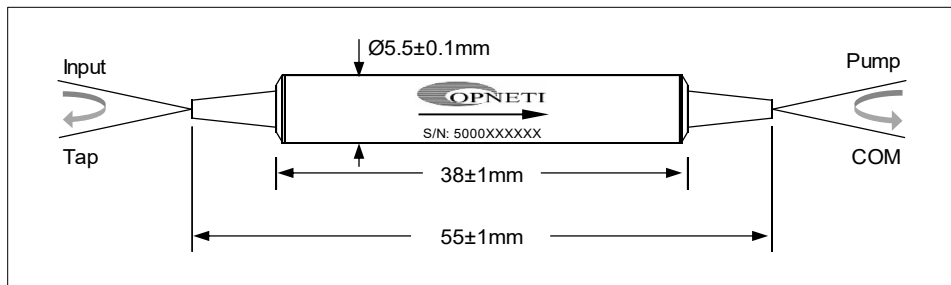


Specifications

Parameters	Unit	980/1550		1480/1550	
Stage		Single Stage	Dual Stage	Single Stage	Dual Stage
Pass Band (Signal Wavelength Range) - C Band	nm	1528-1564		1530~1565	
Pass Band (Signal Wavelength Range) - L Band	nm	1570-1605		1570-1605	
Pump Wavelength Range	nm	965-1000		1450~1490	
Signal Wavelength Isolation at 23 °C all SOA (COM to Input)	dB	≥31	≥45	≥31	≥45
Pump Wavelength Isolation (Input ↔ COM) test at Pump Wavelength	dB	≥12		≥12	
Signal Wavelength Isolation (Pump ↔ COM) test at Signal Wavelength	dB	≥30		≥30	
Insertion Loss at Pump Wavelength (Pump ↔ COM)	dB	≤0.6		≤0.6	
Insertion Loss at Signal Wavelength (Input ↔ COM) at 23°C, all SOP	dB	≤1.3	≤1.4	≤1.1	≤1.3
Insertion Loss at Signal Wavelength (Input ↔ 1% Tap)	dB	19.0-20.8		19.0-20.8	
Insertion Loss at Signal Wavelength (Input ↔ 2% Tap)	dB	16.2-18.0		16.2-18.0	
Insertion Loss at Signal Wavelength (Input ↔ 5% Tap)	dB	12.2-14.0		12.2-14.0	
Signal Wavelength Dependent Loss (WDL) (Input ↔ COM) at 23°C, all SOP	dB	≤0.5	≤0.5	≤0.5	≤0.5
Signal Polarization Dependent Loss (PDL) (Input ↔ COM) at 23°C	dB	≤0.1	≤0.2	≤0.1	≤0.1
Signal PMD (Input ↔ COM)	ps	≤0.25	≤0.05	≤0.25	≤0.05
WDL at Tap Port 5% (4.6%~5.4%) Over Signal Wavelength	dB	≤0.3		≤0.3	
Return Loss	dB	≥50		≥50	
Max. Optical Power (CW)	mW	300		300	
Max. Tensile Load	N	5		5	
Fiber Type at Pump Port		SMF-28 or HI 1060		SMF-28e	
Fiber Input / Tap / COM Port		SMF-28e		SMF-28e	
Operating Temperature	°C	-5 to +75		-5 to +75	
Storage Temperature	°C	-40 to +85		-40 to +85	

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

Package Dimensions



Ordering Information

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①	Pump Type	1550T/980R; 1590T/980R; 1550T/1480R; 1590T/1480R;
②	Stage	S=Single Stage;D=Dual Stage;
③	Coupling Ratio	1%; 2%; 5%; 10%;
④	Pigtail Type	250=250µm Bare Fiber; 900=900µm Loose Tube;
⑤	Pump Fiber	1=SMF-28e; 4=HI1060;
⑥	Length	1=1m;
⑦	Connector	NE=None;FC=FC/UPC;SC=SC/UPC;FA=FC/APC;SA=SC/APC;LC=LC/UPC;xx=Others;