

Tap/Isolator/WDM Hybrid Device (TIWDM) 1570/1940nm

Features

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

Applications

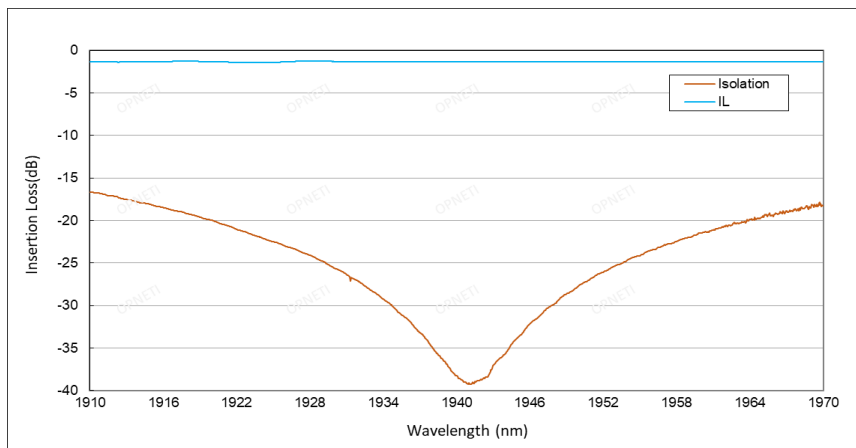
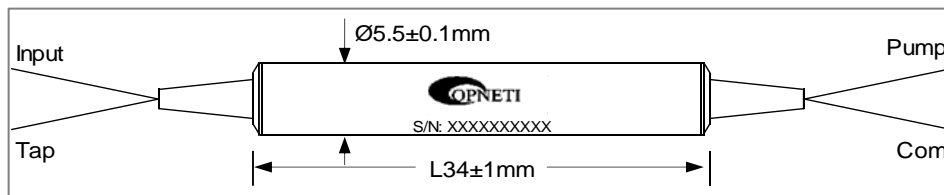
- 2μm Fiber Laser
- Medical Equipment
- FiberOptic Instrument

Specifications

Parameters		Unit	Single Stage	Dual Stage
Signal Wavelength	Wavelength Range	nm	1940±30	
	Insertion Loss (Input→Com)	dB	1.5(for 1%), 1.6(for 2%), 1.9(for 5%), 2.1(for 10%), 2.8(for 20%), 4.8(for 50%)	1.8(for 1%), 1.9(for 2%), 2.1(for 5%), 2.3(for 10%), 2.8(for 20%), 4.8(for 50%)
	Typ. Peak Isolation (Com→Input)	dB	25	32
	Isolation at 23°C (Com→Input)	dB	≥18	≥30
	PDL (Input→Com)	dB	≤0.1	≤0.2
	PMD (Input→Com)	ps	0.25	0.10
Pump Wavelength	Wavelength Range	nm	1550~1590	
	Typ. Insertion Loss (Com→Pump)	dB	0.4	
	Insertion Loss (Com→Pump)	dB	≤0.6	
	PDL (Com→Pump)	dB	≤0.1	
Tap Port Ratio (Input→Tap) @ 2μm		%	1±0.2, 2±0.4, 5±1, 10±2, 20±3, 50±5	
Return Loss		dB	≥50	
Fiber Type 1			SMF-28e at all port	
Fiber Type 2			SMF-28e at pump, SM1950 at other port	
Optical Power ^[1]		mW	≤500	
Operating Temperature		°C	0 ~ +70	
Storage Temperature		°C	-40~ + 85	
Package Dimension		mm	φ5.5x34	

^[1] Higher Power available on request

Package Dimensions



1940nm Single Stage 1% tap TIWDM at 23 °C

Ordering Information

TIWDM ①①①①①①①①①①①①②-③③-④④④-⑤-⑥-⑦⑦

①	Wavelength	1570R/1940T;
②	Stage	S=Single Stage;D=Dual Stage;
③	Coupling Ratio	1%; 5%; 10%; 20%; 50%;
④	Pigtail Type	250=250µm bare fiber; 900=900µm loose tube;
⑤	Fiber Type	1=SMF-28e at all port; 2=SMF-28e at 1560 port, SM1950 at other port;
⑥	Length	1=1 m;
⑦	Connector	NE=None; FC=FC/UPC; SC=SC/UPC; FA=FC/APC; SA=SC/APC; LC=LC/UPC; xx=Others;