PM Fiber Tap/Isolator/WDM Hybrid (TIWDM) 1570/1940nm

Features

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

Applications

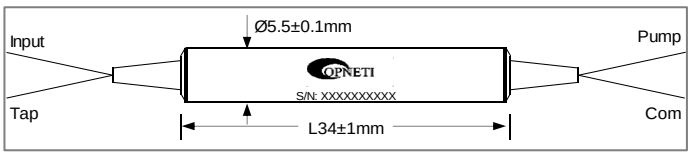
- 2μm Fiber Laser
- Medical Equipment
- FiberOptic Instrument

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℃ (Com→Input)	dB	≥18	≥30
	PER for Fast Axis Blocked (Input→Com)	dB	≥20	≥20
	PER for Both Axis Pass (Input→Com)	dB	≥18	≥18
	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	
	PER for PMF Pump (Com→Pump)	dB	≥18	
Tap Port Ratio (Input→Tap) @ 2μm		%	1±0.2, 2±0.4, 5±1, 10±2, 20±3, 50±5	
Tap Port Ratio (Com→Tap) @ 2μm		%	1±0.2, 2±0.4, 5±1, 10±2, 20±2, 50±4	
Return Loss		dB	≥50	
Fiber Type at Pump			SMF-28e or PM1550	
Fiber Type Input/Com/Tap			PM1550 or PM1950	
Optical Power [1]		W	1, 3, 5, 10	
Operating Temperature		℃	0 ~ +70	
Storage Temperature		℃	-40~ + 85	
Package Dimension		mm	φ5.5x34, 80x12x10	

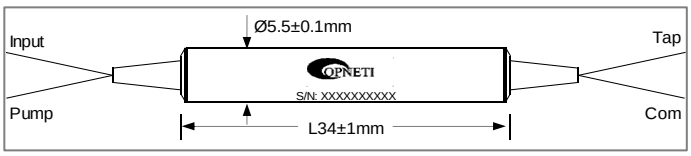
[1] 20/50W Power avaliable on request

Package Dimensions

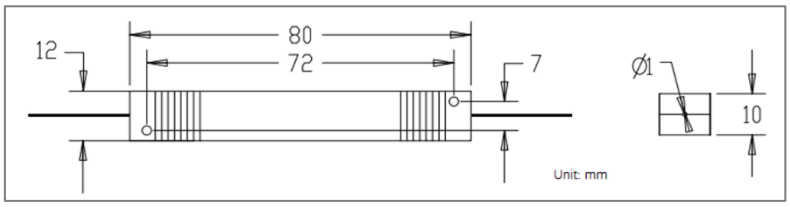


forward pump, fast axis blocked (avaliable for 1%, 10%, 50% tap)

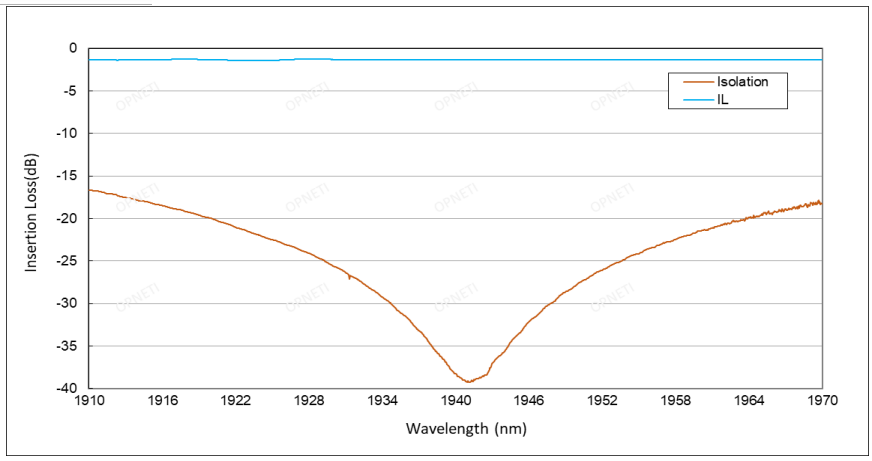
forward pump, both axis pass (avaliable for 1%, 10%, 50% tap)



Backward pump, fast axis blocked (avaliable for any tap ratio)



Package size to be 80x12x10 for 6~10W, fiber port configration same as 1~5W



1940nm Single Stage 1% tap TIWDM at 23 ℃

Ordering Information

PMTIWDM ①①①①①①①①①①①-②-③③-④-⑤-⑥⑥⑥-⑦-⑧-⑨-⑩⑩-⑪⑪

①	Wavelength	1570R/1940T;
②	Stage	S=Single Stage;D=Dual Stage;
③	Coupling Ratio	1%; 5%; 10%; 20%; 50%;
④	Working Axis	1=Fast Axis Blocked; 2=Both Axis Pass;
⑤	Pump Direction	F=Forward Pump; B=Backward Pump;
⑥	Pigtail Type	250=250μm bare fiber; 900=900μm loose tube;
⑦	Pump Fiber	1=SMF-28e; 5=PM1550;
⑧	Input/Com/Tap Fiber	5=PM1550; P9=PM1950;
⑨	Length	1=1m;
⑩	Connector	NE=None; FC=FC/UPC; SC=SC/UPC; FA=FC/APC; SA=SC/APC; LC=LC/UPC; xx=Others;
⑪	Power Handling	1W=1W; 3W=3W; 5W=5W; 10W=10W;