

PM Fiber Tap/Isolator WDM Hybrid Device (PMTIWDM)

Features

- Low Excess Loss
- High Extinction Ratio
- High Stability and Reliability

Applications

- Fiber Laser
- Fiber Amplifier
- Testing Equipment

Specifications

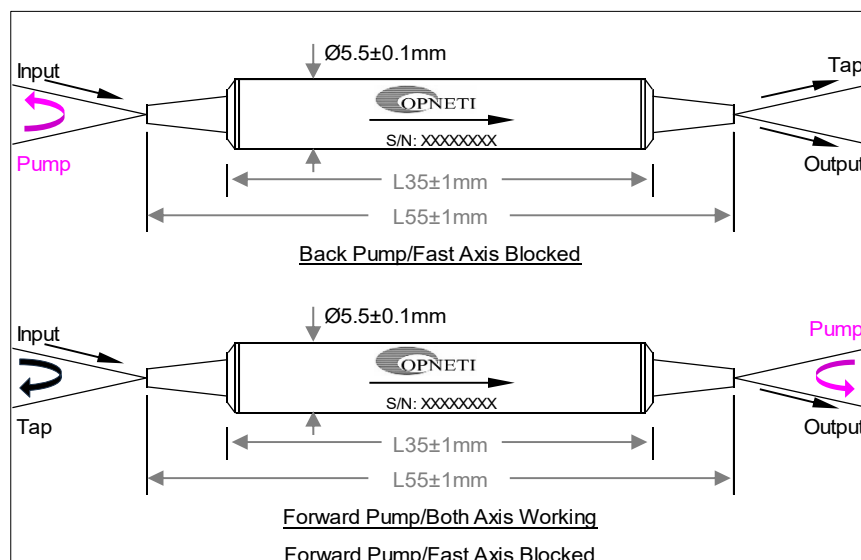


Parameters		Unit	980/1550		1480/1550	
Isolator Stage		nm	Single Stage	Dual Stage	Single Stage	Dual Stage
Signal Wavelength Range		nm	1530-1565		1530-1565	
Pump Wavelength Range		nm	960~990		1460~1490	
Typ. Signal Peak Isolation		dB	40	55	40	55
Signal Isolation at 23 °C		dB	≥30	≥48	≥30	≥48
Pump Insertion Loss		nm	≤0.6	≤0.6	≤0.5	≤0.5
Signal Tap Ratio		dB	1%, 2%, 5%, 10%, 50%			
Signal Insertion Loss	1% Tap	dB	≤1.1		≤1.2	
	2% Tap	dB	≤1.2		≤1.3	
	5% Tap	dB	≤1.3		≤1.4	
	10% Tap	dB	≤1.5		≤1.6	
	50% Tap	dB	≤4.2		≤4.3	
Extinction Ratio	Type 1 (fast axis blocked)	dB	≥22			
	Type 2 (both axis working)	dB	≥20			
Return Loss		dB	≥50			
Directivity		dB	≥50			
Fiber Type at Pass and Output port		-	PM1550			
Fiber Type at Pump and Tap port		-	PM1550, PM980, HI1060		PM1550, SMF-28e	
Max Optical Power (CW)		mW	300			
Operating Temperature		℃	0~ +70			
Storage Temperature		℃	-40~ + 85			
Package Dimension		mm	φ5.5x35			

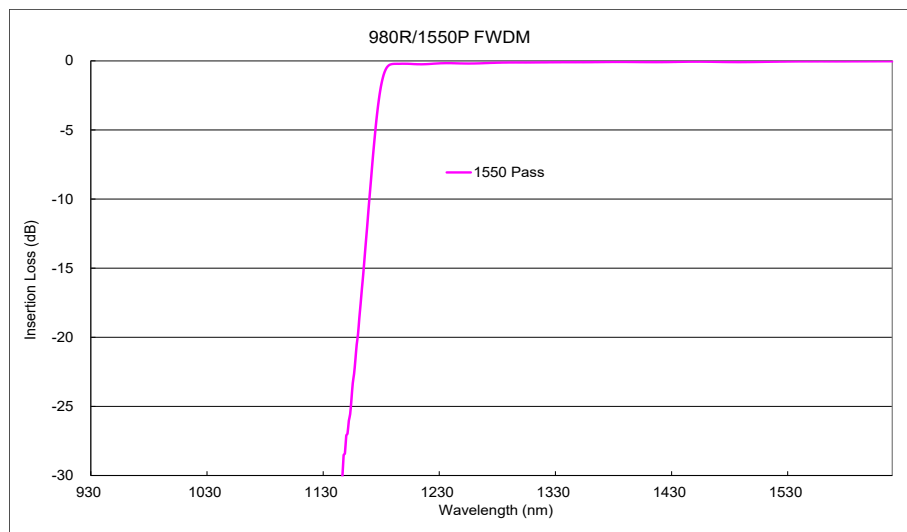
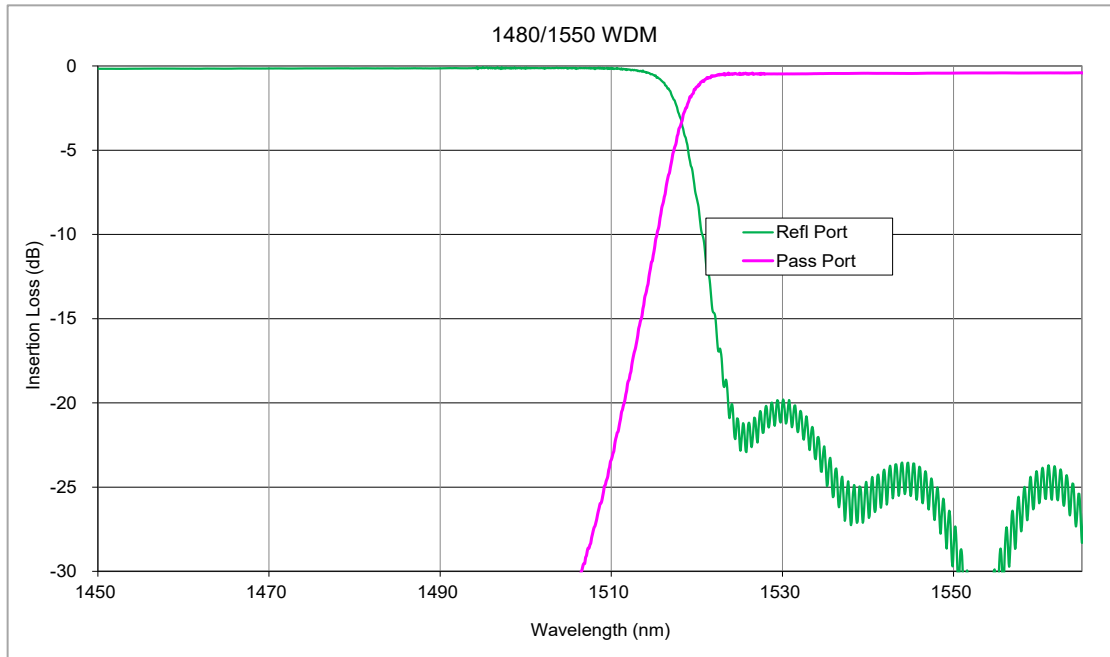
*For devices with connectors, IL+0.3dB, RL-5dB, ER-2dB.

*The default connector key is aligned to slow axis.

Package Dimensions



Typical Spectrum



Ordering Information

PMTIWDM- ①①①①①①①①①①①①②③③④⑤⑥⑥⑥⑦⑧⑨⑨

①	Operation Wavelength	980R/1550P; 1480R/1550P;
②	Stage	S=Single Stage; D=Dual Stage;
③	Tap Ratio	1%; 2%; 5%; 10%; 50%;
④	Pump Direction	B=Backward; F=Forward;
⑤	Axis Alignment	1=Fast Axis Blocked; 2=Both Axis Working;
⑥	Pigtail Type	250=250μm bare fiber; 900=900μm loose tube;
⑦	Fiber Type at Pump/Tap	1=SMF-28e; 4=H1060; P98=PM980; PM15=PM1550;
⑧	Length	1=1m;
⑨	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; XX=Other;