

PM Fiber Isolator+ WDM Hybrid Device (PMIWDM)

Features

Low Excess Loss
High Extinction Ratio
High Stability and Reliability

Applications

Fiber Laser
Fiber Amplifier
Testing Equipment



Specifications

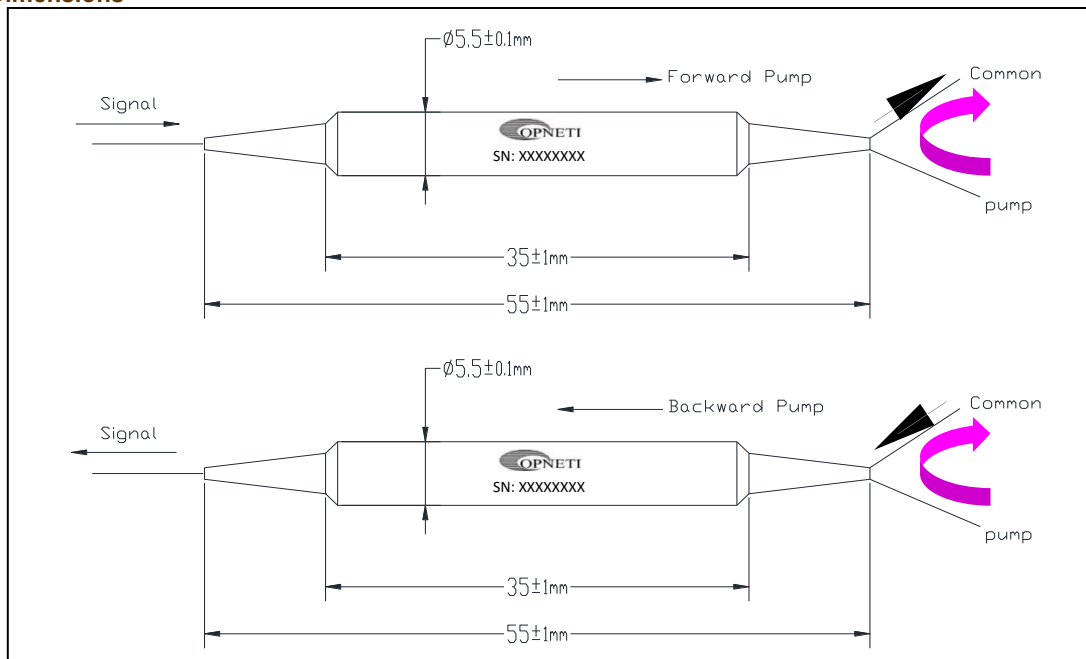
Parameters		Unit	1480/1550		980/1550	
Isolator Stage		-	Single Stage	Dual Stage	Single Stage	Dual Stage
Signal Wavelength Range ^[1]		nm	1530~1565		1530~1565	
Peak Isolation		dB	40	55	40	55
Signal Insertion Loss (IL) ^[2]		dB	≤0.9	≤1.1	≤1.1	≤1.2
Signal Isolation, 23℃		dB	≥30	≥48	≥30	≥48
Extinction Ratio (ER) ^[2]	B type (Both Axis Working)	dB	≥20			
	F type (Fast Axis Blocked)	dB	≥22			
Pump Port	Pump Wavelength Range	nm	1460~1490		960~990	
	Insertion Loss (IL) ^[2]	dB	≤0.5		≤0.6	
WDM Isolation	Signal Isolation	dB	≥30		≥30	
	Pump Wavelength Range	dB	≥15		≥15	
Wavelength Dependent Loss at Signal Wavelength (WDL)		dB	≤0.3			
Return Loss (RL) ^[2]		dB	≥50			
Max Power Handling		mW	300			
Fiber Type at Signal Port		-	PM1550 Fiber			
Fiber Type at Common and Pump Port		-	PM1550		PM980 or PM1550	
Operating Temperature		℃	-5 ~ +70			
Storage Temperature		℃	-40 ~ +85			
Dimensions		mm	φ5.5x35; φ3x30			

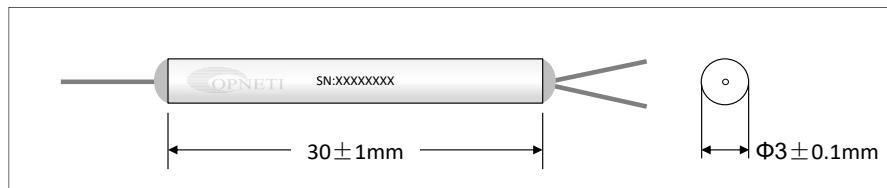
^[1] Signal at L band available on request.

^[2] For devices with connectors, IL+0.3dB, RL-5dB, ER-2dB.

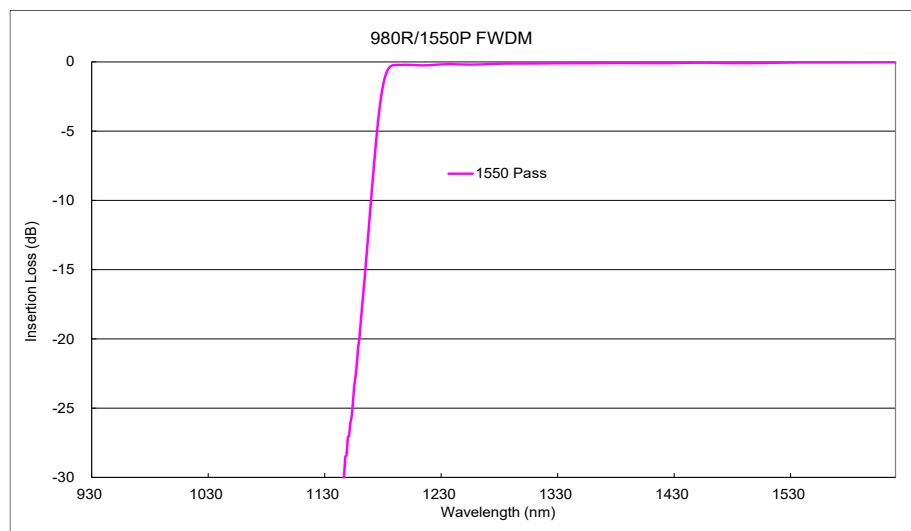
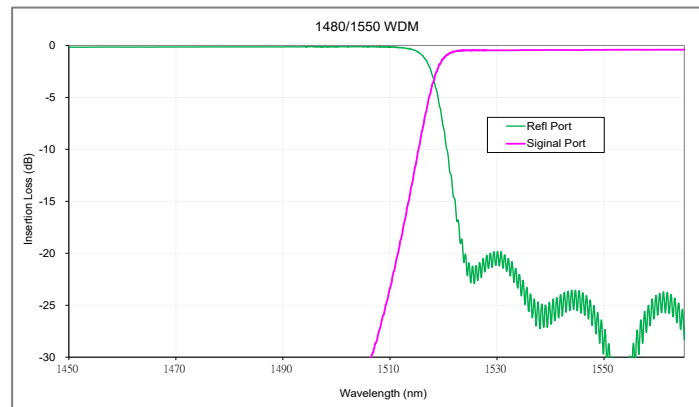
* The default connector key is aligned to slow axis.

Package Dimensions

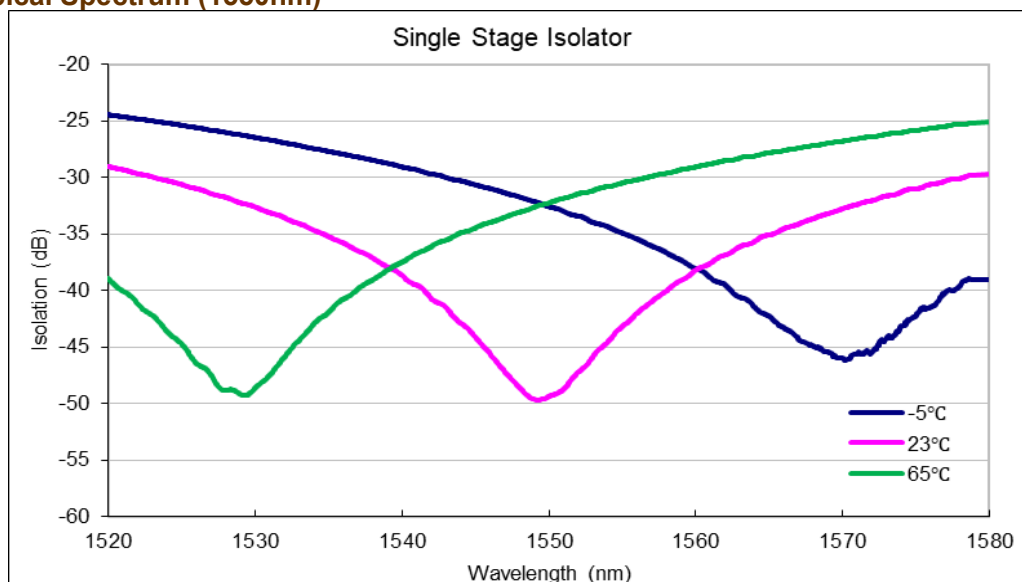


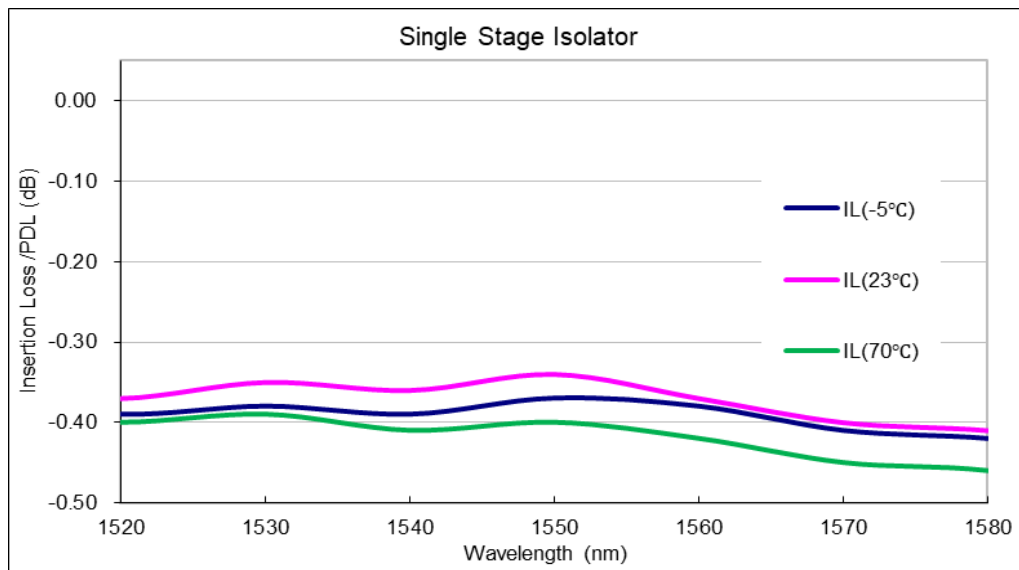


WDM Typical Spectrum



Isolator Typical Spectrum (1550nm)





Ordering Information

PMIWDM- ①-(②)(②)(②)(②)(②)(②)(②)(②)(②)(②)-③-(④)-(⑥)(⑥)(⑥)-(⑦)-(⑧)(⑧)

①	Type	S=Single Stage; D=Dual Stage;
②	Wavelength	1550T/980R;
③	Pump Type	F=Forward; B=Backward;
④	Axis Alignment	F=Fast Axis Blocked; B=Both Axis Working
⑤	Pigtail Type	250=250μm bare fiber; 900=900μm loose tube;
⑥	Fiber Type @ Pump/COM	P98=PM980; P15=PM 1550 Fiber;
⑦	Length	1=1m;
⑧	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; XX=Other;