

Isolator+ WDM Hybrid Device (IWDM)

Features

Low Excess Loss
High Extinction Ratio
High Stability and Reliability

Applications

Fiber Laser
Fiber Amplifier
Testing Equipment



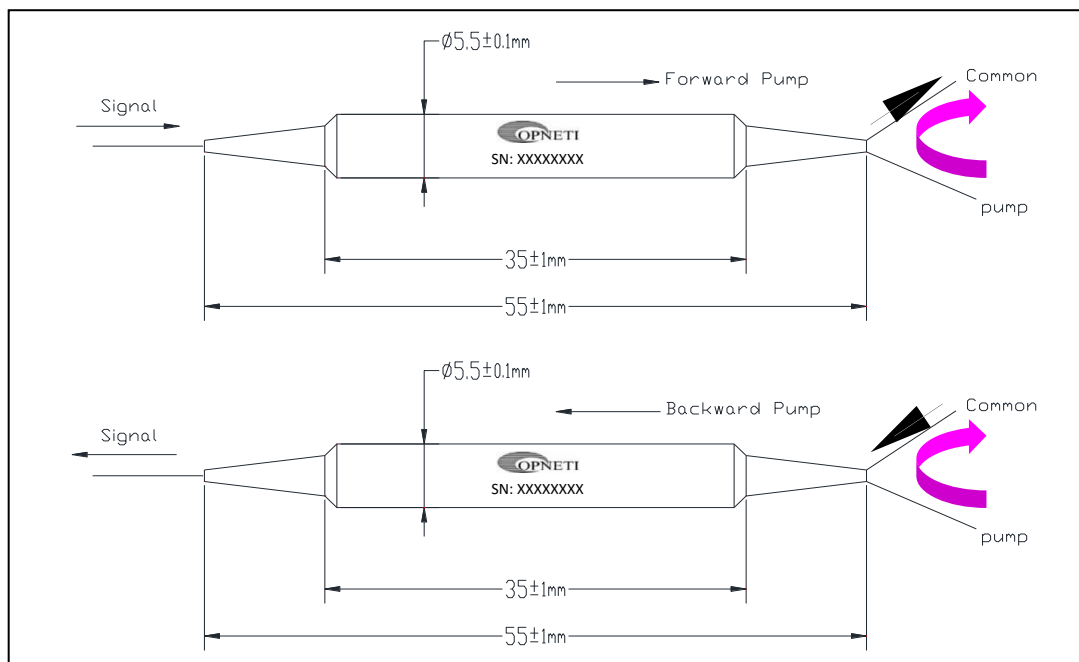
Specifications

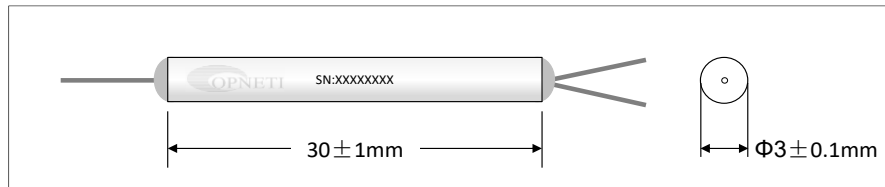
Parameters		Unit	1480/1550		980/1550	
Isolator Stage		-	Single Stage	Dual Stage	Single Stage	Dual Stage
Signal Wavelength Range ^[1]		nm	1530~1565		1530~1565	
Peak Isolation		dB	40	55	40	55
Signal Insertion Loss (IL) ^[2]		dB	≤0.7	≤0.8	≤0.8	≤0.9
Signal Isolation, 23℃		dB	≥30	≥48	≥30	≥48
Pump Port	Pump Wavelength Range	nm	1450~1490		960~990	
	Insertion Loss (IL) ^[2]	dB	≤0.4		≤0.6	
WDM Isolation	Signal Isolation	dB	≥30		≥30	
	Pump Wavelength Range	dB	≥15		≥15	
Polarization Dependent Loss (PDL)		dB	≤0.1			
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		-	SMF-28			
Fiber Type at Common and Pump Port		-	SMF-28e		SMF-28e or HI 060	
Operating Temperature		℃	-5 ~ +70			
Storage Temperature		℃	-40 ~ +85			
Dimensions		mm	φ5.5x35; φ3x30			

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

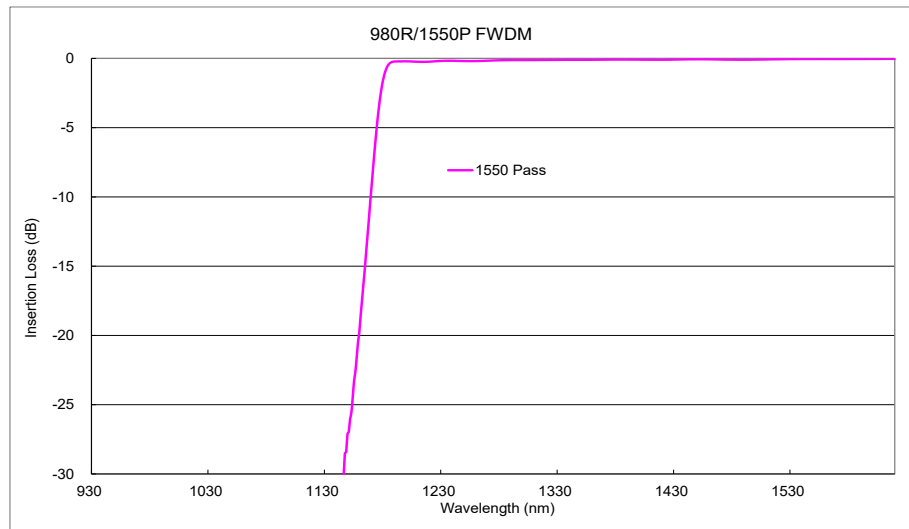
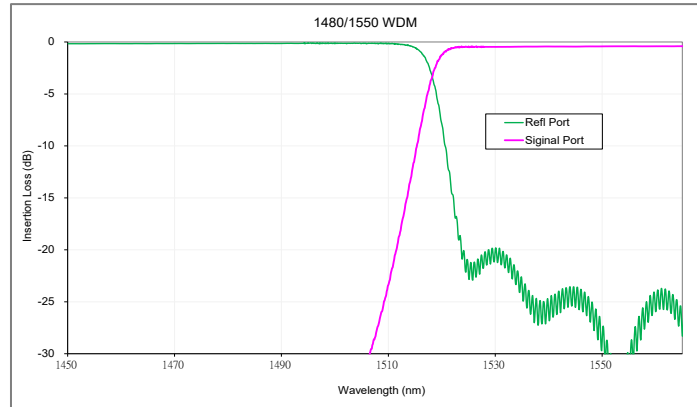
^[2] For devices with connectors, IL+0.3dB, RL-5dB.

Package Dimensions

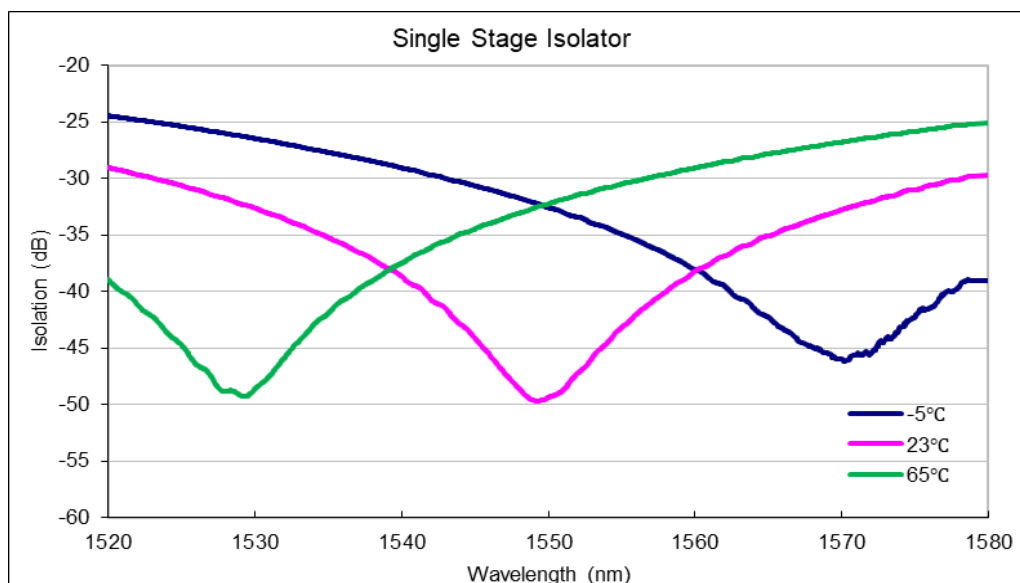


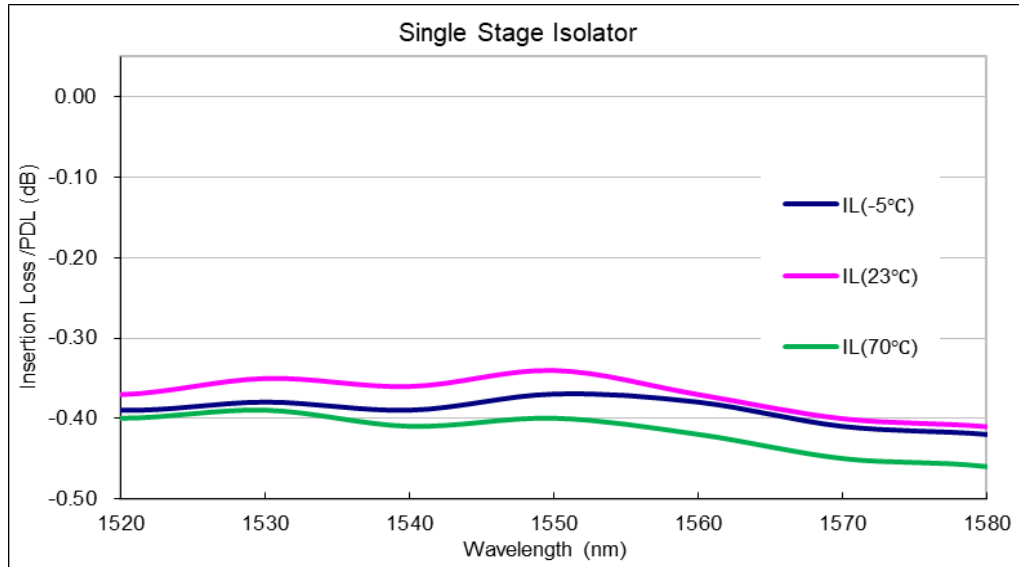


WDM Typical Spectrum



Isolator Typical Spectrum (1550nm)





Ordering Information

IWDM- ①-②②②②②②②②②②②②③-④④④④-⑥-⑦⑦

①	Type	S=Single Stage; D=Dual Stage;
②	Wavelength	1550T/980R; 1550T/1480R;
③	Pump Type	F=Forward; B=Backward;
④	Pigtail Type	250=250μm bare fiber; 900=900μm loose tube;
⑤	Fiber Type @ Pump/COM	1=SMF-28e; 4=HI1060; 5=PM 1550 Fiber;
⑥	Length	1=1m;
⑦	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; XX=Other;