

1230nm Polarization Maintaining Isolator (PMIS)

Features

Wide Operating Wavelength
High Isolation & High PER
Telcordia GR-1221 Compliant
Available for Both Axes Pass or Fast Axis Block

Application

PM Fiber Amplifier
Transmitters & Fiber Laser
Testing Equipment
WDM & DWDM System

Specifications

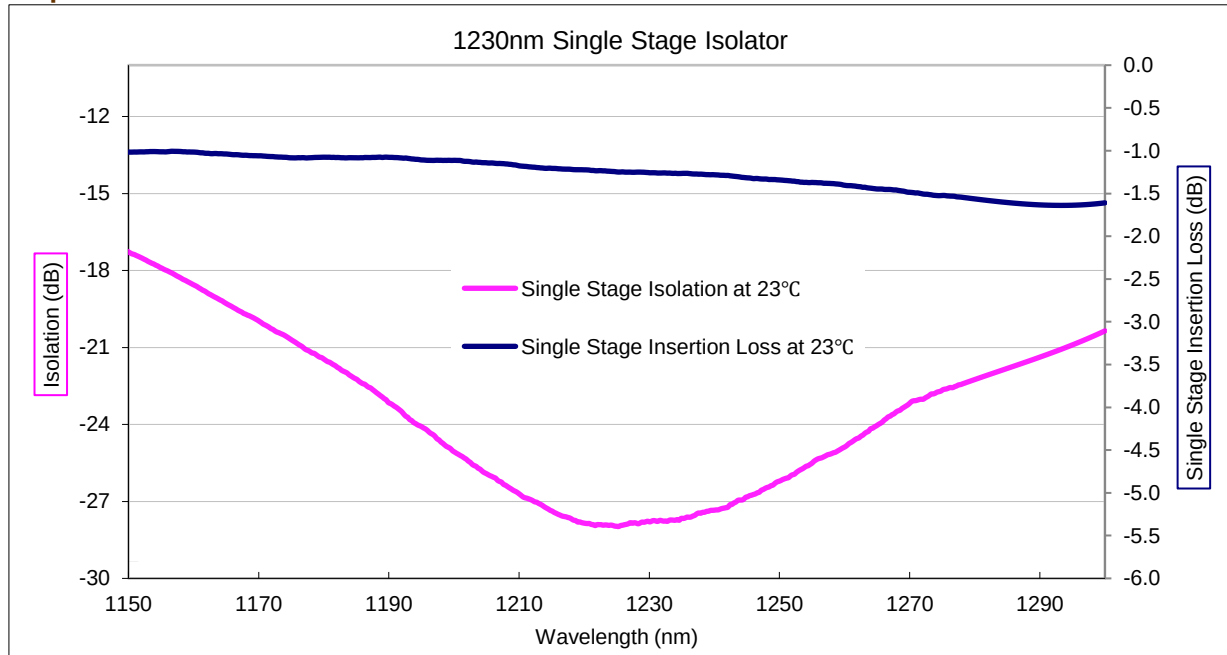


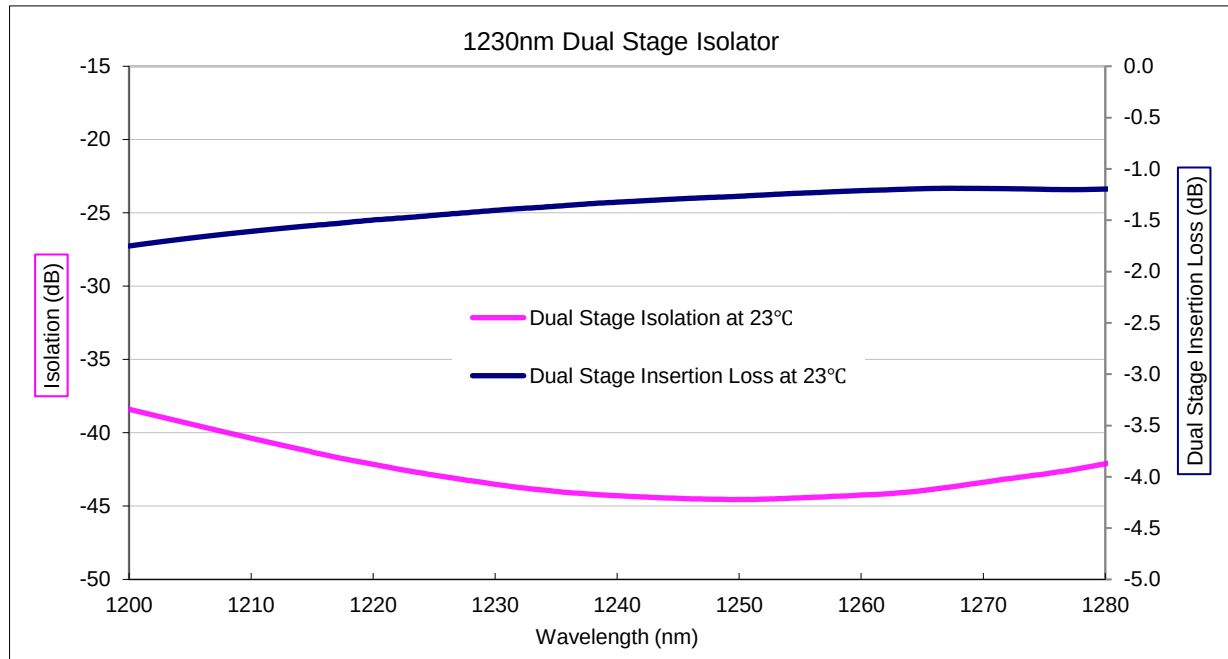
Parameters		Unit	Single Stage	Dual Stage
Center Wavelength		nm	1230	
Peak isolation		dB	42	58
Min Isolation ($\lambda \pm 15\text{nm}$, 23°C all sop)		dB	28	48
Typ. IL ($\lambda \pm 20\text{nm}$, 23°C all sop)		dB	0.35	0.40
Insertion Loss ($\lambda \pm 20\text{nm}$, -5 ~ +70 °C all sop)		dB	≤0.50	≤0.55
PER	Both Axes Pass	dB	≥20	
	Fast Axis Blocked	dB	≥23	
Return Loss (Input / Output) (RL)		dB	≥60/55	≥60/55
Fiber Type			PM980, PM1300	
Max Power Handling CW		mW	500	
Operating Temperature		°C	-0 ~ +75	
Storage Temperature		°C	-40 ~ +85	

Above data test at room temperature without connectors. With connectors, IL+0.3dB, RL-5dB, PER-2dB.

Default FC connector key width 2.02mm (narrow key), 2.12mm (wide key) available on request. Key aligned to slow axis.

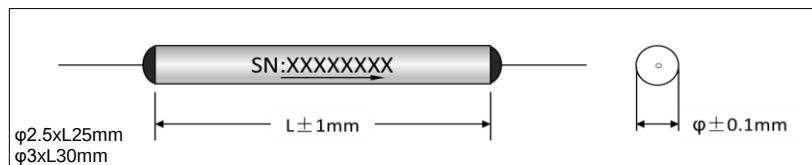
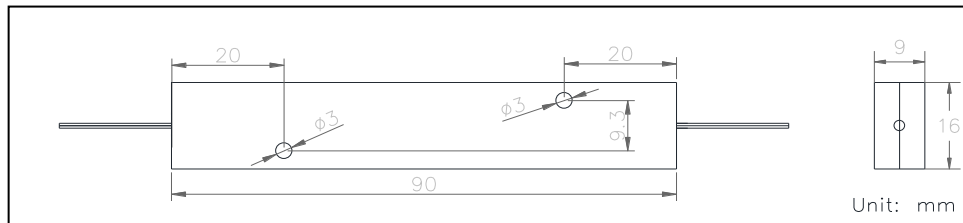
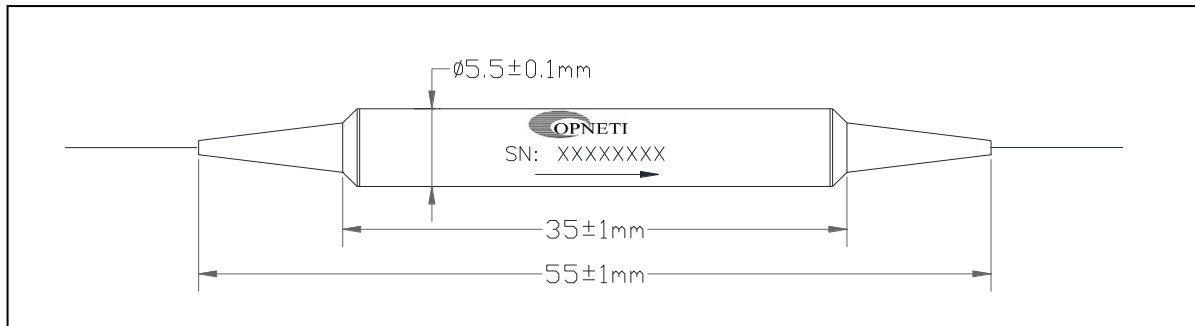
Typical Spectrum





Package Information

Pigtail Type	250µm Bare Fiber	900µm Loose Tube	2mm/3mm Loose Cable
Dimensions(mm)	φ2.5x25, φ3x25, φ3x30, φ5.5x35,	φ5.5x35, 90x16x9	φ5.5x35(no boot), 90x16x9
Approx Weight (g)	35	50	65



Ordering Information**PMIS-** ①-②②②②-③-④④④-⑤⑤⑤-⑥-⑦⑦

①	Type	S=Single Stage; D=Dual Stage;
②	Wavelength	1230;
③	Axis Alignment	F=Fast Axis Blocked; B=Both Axes Working;
④	Pigtail Type	250=250μm Fiber; 900=900μm Loose Tube; 2000=2mm Loose Cable; 3000=3mm Loose Cable;
⑤	Fiber Type	P98=PM980; P13=PM1300;
⑥	Fiber Length	1=1m; XX=other;
⑦	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; LC=LC/UPC; XX=Others;