

1310nm 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

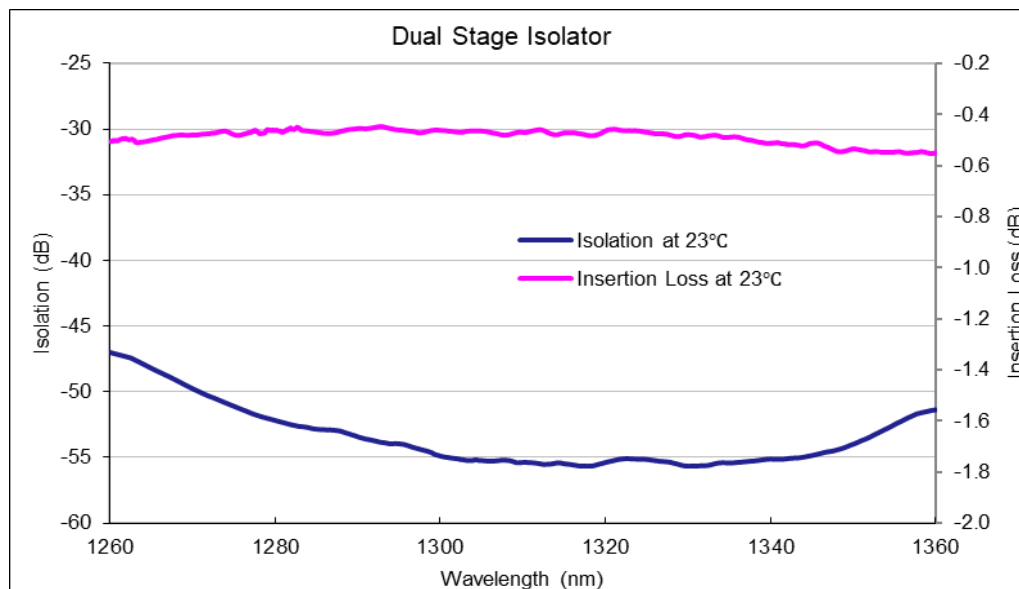


Parameters	Unit	Single Stage	Dual Stage
Center Wavelength	nm	1310	
Peak isolation	dB	42	58
Min Isolation ($\lambda \pm 15\text{nm}$, 23°C all sop)	dB	28	48
Typ. IL ($\lambda \pm 20\text{nm}$, 23°C all sop)	dB	0.35	0.40
Insertion Loss ($\lambda \pm 20\text{nm}$, -5 ~ +70 °C all sop)	dB	≤0.50	≤0.55
PER	Both Axes Pass	dB	≥20
	Fast Axis Blocked	dB	≥23
Return Loss (Input / Output) (RL)	dB	≥60/55	≥60/55
Fiber Type		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.

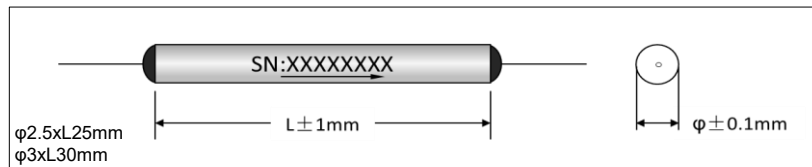
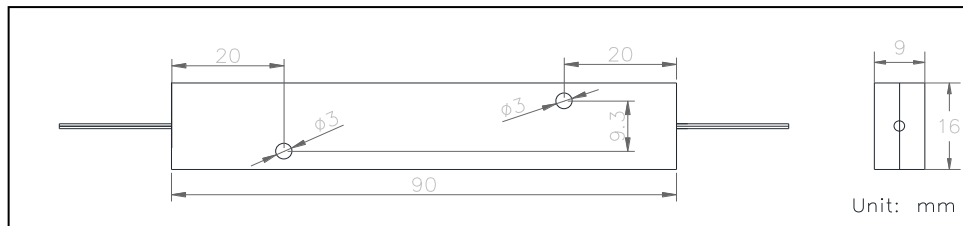
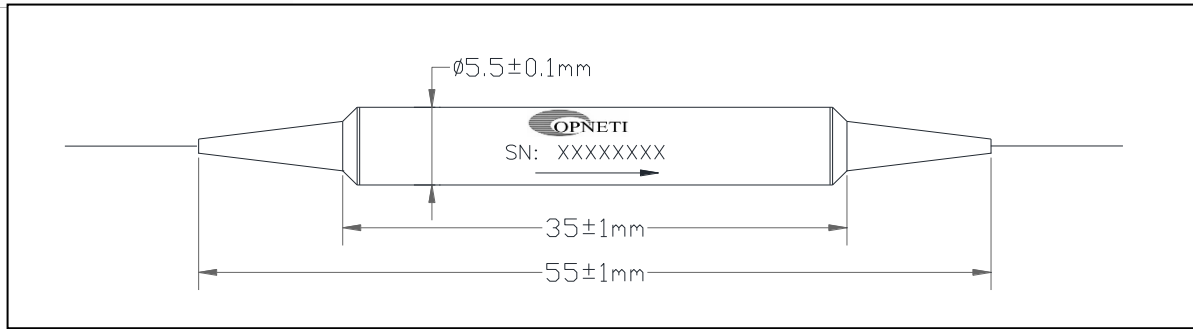
Default FC connector key width 2.02mm (narrow key), 2.12mm (wide key) available on request. Key aligned to slow axis.

Typical Spectrum



Package Information

Fiber Length	1m, others on request		
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	1310;
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	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;