

Ultra Wideband Polarization Insensitive Isolator (C+L ,S+C+L)

Features

Wide Operating Wavelength
High isolation & Low insertion loss& Low PDL
Epoxy-Free in Optical Path

Applications

EDFA
Transmitters & Fiber Laser
WDM & DWDM System
Testing instruments

Specifications

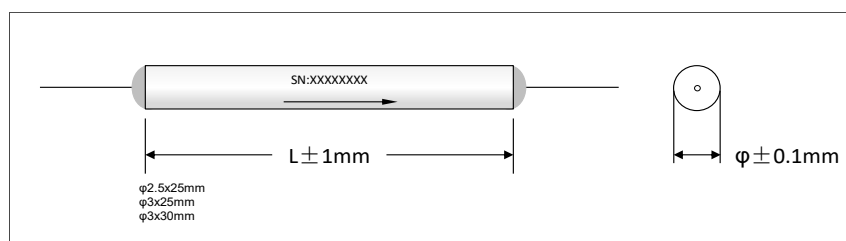
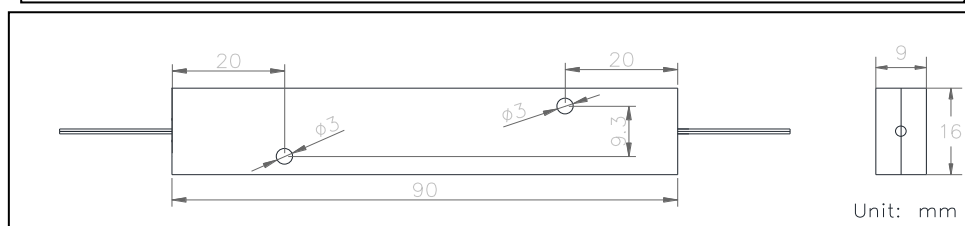
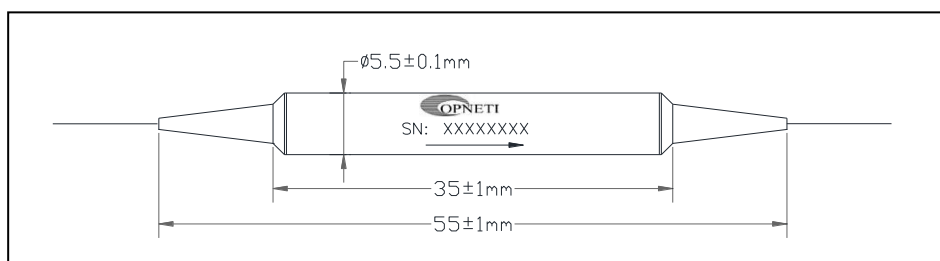


Parameters	Unit	C+L	S+C+L band
Center Wavelength	nm	1530~1610	1460~1620
Peak isolation	dB	58	58
Min Isolation ($\lambda \pm 15\text{nm}$, 23°C all sop)	dB	≥ 35	≥ 32
Typ. IL($\lambda \pm 20\text{nm}$, 23°C all sop)	dB	≤ 0.5	≤ 0.6
Insertion Loss ($\lambda \pm 20\text{nm}$, -5 ~ +70 °C all sop)	dB	≤ 0.8	≤ 0.9
Polarization Dependent Loss (PDL)	Polarization Insensitive	dB	≤ 0.1
	Polarization Sensitive	dB	≥ 20
PMD	ps	≤ 0.05	≤ 0.05
Return Loss (Input / Output) (RL)	dB	$\geq 60/55$	$\geq 60/55$
Fiber Type		SMF-28e	
Max Power Handling CW	mW	500	
Operating Temperature	°C	-0 ~ +75	
Storage Temperature	°C	-40 ~ +85	
Dimensions	mm	$\phi 5.5 \times L35$	

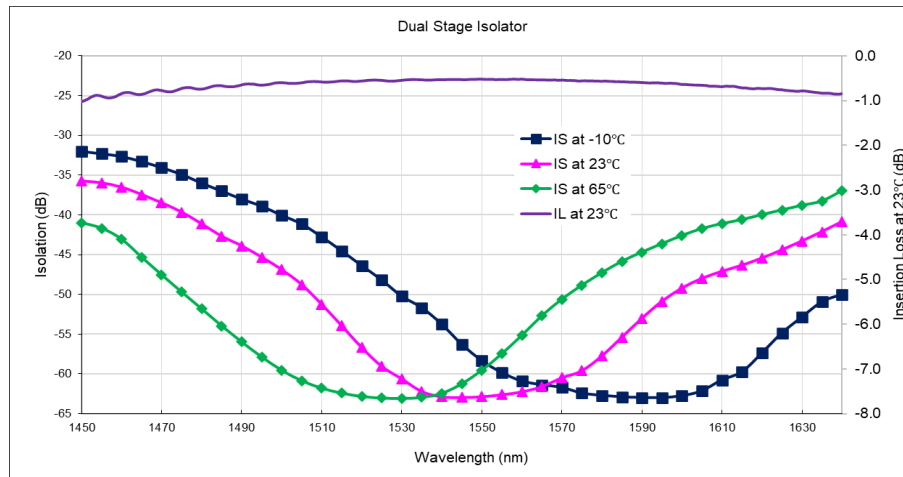
*For devices with connectors, IL+0.3dB, RL-5dB.

Package Information

Fiber Length	1m, others on request		
Pigtail Type	250μm Bare Fiber	900μm Loose Tube	2mm/3mm Loose Cable
Dimensions(mm)	$\phi 2.5 \times 25$, $\phi 3 \times 25$, $\phi 3 \times 30$, $\phi 5.5 \times 35$	$\phi 5.5 \times 35$, 90x16x9	$\phi 5.5 \times 35$ (no boot), 90x16x9
Approx Weight (g)	35	50	65



Typical Spectrum for C+L Isolator



Ordering Information

IS- ①-②②②-③-④④④-⑤-⑥-⑦⑦-⑧⑧⑧⑧⑧⑧⑧⑧

①	Type	S=Single Stage; D=Dual Stage;
②	Wavelength	C+L; S+C+L;
③	Axis Alignment	1=Polarization Sensitive; 2=Polarization Insensitive;
④	Pigtail Type	250=250μm Fiber; 900=900μm Loose Tube; 2000=2mm Loose Cable; 3000=3mm Loose Cable;
⑤	Fiber Type	1=SMF-28e;
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;
⑧	Package size	φ2.5x25; φ3x25; φ3x30; φ5.5x35; 90x16x9; 90x16x9;