

Polarization Insensitive Isolator

Features

- Wide Operating Wavelength
- High Isolation & Low Insertion Loss
- Low PDL
- High Stability and Reliability

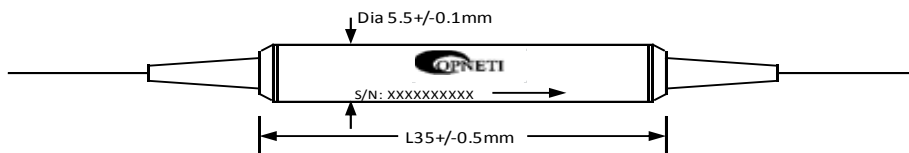
Applications

- EDFA & Testing Instruments
- Transmitters & Fiber Laser
- WDM & DWDM System

Specifications

Parameters	Unit	Single Stage		Dual Stage	
		Grade P	Grade A	Grade P	Grade A
Operating Wavelength	nm	1310; 1480; 1550; 1590			
Peak isolation	dB	42	40	58	55
Isolation ($\lambda \pm 15\text{nm}$, 23°C all sop)	dB	≥ 28	≥ 26	≥ 48	≥ 45
Typ. IL ($\lambda \pm 20\text{nm}$, 23°C all sop)	dB	0.35	0.4	0.4	0.6
Insertion Loss ($\lambda \pm 20\text{nm}$, -5 ~ +70 °C all sop)	dB	≤ 0.50	≤ 0.70	≤ 0.55	≤ 0.90
PDL at 23°C	dB	≤ 0.05	≤ 0.1	≤ 0.1	≤ 0.15
PMD	ps	≤ 0.2	≤ 0.25	≤ 0.05	≤ 0.07
Return Loss	dB	$\geq 60/55$	$\geq 60/55$	$\geq 60/55$	$\geq 60/55$
Power Handling	mW	≤ 500			
Fiber Type		SMF-28e			
Operation Temperature	°C	-5 ~ +70			
Storage Temperature	°C	-40 ~ +85			
Dimensions	mm	$\phi 5.5 \times 35$			

Package Dimensions



Ordering Information

IS- ①-②-③③③③-④④④-⑤-⑥-⑦⑦-⑧⑧⑧⑧⑧⑧

①	Type	S=Single Stage; D=Dual Stage;
②	Grade	P=Grade P; A=Grade A;
③	Wavelength	1310; 1480; 1550; 1590;
④	Pigtail Type	250=250um Fiber; 900=900um Loose Tube; 3mm=3mm Loose Tube;
⑤	Fiber Type	1=SMF-28e;
⑥	Length	1=1m;
⑦	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; XX=Other;
⑧	Package size	5.5x35;