

Twin 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

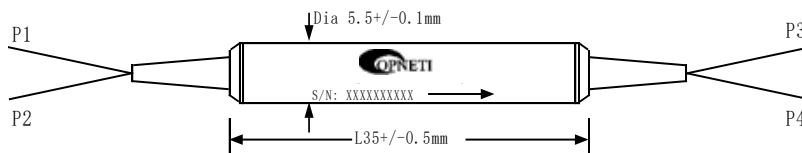
Specifications

Parameters	Unit	Values			
Stage		Single Stage		Dual Stage	
Grade		Grade P	Grade A	Grade P	Grade A
Center Wavelength	nm	1310, 1480, 1550			
Operating Wavelength Range	nm	±20			
Typ. Peak Isolation (P4 to P1, P3 to P2)	dB	42	40	58	55
Isolation (P4 to P1, P3 to P2) at 23°C	dB	≥28	≥26	≥48	≥45
Typ. Insertion Loss (P1 to P4, P2 to P3) at 23°C	dB	0.45	0.55	0.55	0.70
Insertion Loss (P1 to P4, P2 to P3) at -5°C-70°C	dB	≤0.65	≤0.8	≤0.8	≤0.9
PDL at 23°C	dB	≤0.1	≤0.15	≤0.1	≤0.15
PMD ¹	ps	≤0.2	≤0.25	≤0.05	≤0.07
Return Loss	dB	≥50/50			
Directivity (P1 to P2, P3 to P4) at 23°C	dB	≥50			
Crosstalk (P1 to P3, P2 to P4) at 23°C	dB	≥50			
Power Handling	mW	≤500			
Fiber Type		SMF-28e			
Operation Temperature	°C	-5 ~ +70			
Storage Temperature	°C	-40 ~ +85			
Dimensions	mm	φ5.5×35			

*PMD 0.05ps available for single stage isolator upon request.

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

Package Dimensions



Ordering Information

IS-T- ①-②-③③③③-④④④-⑤-⑥-⑦⑦-⑧⑧⑧⑧⑧

①	Stage	S=Single Stage; D=Dual Stage;
②	Grade	P=P Grade; A=A Grade;
③	Wavelength	1310; 1480; 1550;
④	Pigtail Type	250=250um Fiber; 900=900um 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;