

The Plugged Isolator



Feature:

- High isolation
- Low insertion loss
- Low polarization sensitivity
- Optical path epoxy free
- Plugged, Integrated
- High reliability

Application:

- Fiberoptic amplifiers
- CATV fiberoptic links
- Fiberoptic systems testing
- Fiberoptic LAN systems
- Telecommunications
- Laser source

Performance Specification:

Parameter	Unit	Specification
Stage		Single
Grade		P Grade
Operating Wavelength	nm	1310 or 1550
Band Width	nm	±15
Peak Isolation (Typ.)	dB	39
Isolation* (Min.)	dB	29
Insertion Loss** (Typ.)	dB	≤ 0.55
Insertion Loss*** (Max.)	dB	≤ 0.7
Return Loss	dB	≥ 55
PDL	dB	≤ 0.1
PMD	ps	0.25ps(0.05ps available upon request)
Optical Power	mW	300
Operating Temperature	°C	+0 ~ +70
Storage Temperature	°C	-40 ~ +85
Fiber Type	/	Corning SMF-28 with 900um tube
Fiber Length	m	Customer Specify

Notes:

* At 23°C over bandwidth.

** Does not include connector, splice and fiber-end fresnel losses.

*** Including PDL, operating wavelength range, 0°C to +70°C.

Ordering Information:

	Isolator Type	Operating Wavelength	Grade	Pigtail Style	Fiber Length	Connector
<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
S	PIS=Single Stage	13=1310nm 15=1550nm	P=P Grade	1 = 900um loose tube 2 = 900um tight buffer	1=1.0m 2=2.0m	1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC

For Example: S-PIS-15-P-2-1-1