

1x1 Mini Polarization-Insensitive Single & Dual Stage Isolator

Feature:

- High Isolation
- Low Insertion Loss
- High Return Loss
- Low Polarization Sensitivity
- Epoxy-Free Optical path
- Mini Size

Application:

- Fiberoptic Amplifiers
- CATV Fiberoptic Links
- Fiberoptic Systems Testing
- Fiberoptic LAN Systems
- Telecommunications

Performance Specification:

Parameter	Unit	Specification			
		Single		Dual	
		P Grade	A Grade	P Grade	A Grade
Operating Wavelength	nm	1310, 1480, 1550, 1585			
Band Width	nm	±15			
Peak Isolation (Typ.)	dB	40	39	58	56
Isolation* (Min.)	dB	30	29	42	40
Insertion Loss** (Typ.)	dB	≤ 0.4	≤ 0.5	≤ 0.55	≤ 0.6
Insertion Loss*** (Max.)	dB	≤ 0.6	≤ 0.8	≤ 0.75	≤ 0.8
Return Loss	dB	≥ 55 / 50	≥ 50 / 50	≥ 55 / 50	≥ 50 / 50
PDL	dB	≤ 0.1	≤ 0.15	≤ 0.1	≤ 0.15
PMD	ps	0.25ps(0.05ps available upon request)			
Optical Power	mW	500			
Operating Temperature	°C	+0 ~ +70			
Storage Temperature	°C	-40 ~ +85			
Fiber Type	/	Corning SMF-28 bare fiber			
Fiber Length	m	Customer Specify			
Dimension (ØxL)	mm	Ø 3.0mm x L26mm			

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	Package	In/Out 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"/> <input type="checkbox"/>
S	IS=Single Stage IU=Dual Stage	13=1310 14=1480 15=1550 LB=1585	P=P Grade A=A Grade	1=Bare Fiber	1=1.0m 2=2.0m S=Special	M=Mini	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC/PC 7=LC/APC

For Example: S-IS-15-P-1-1-M-00