



2x2 Mini Polarization-Insensitive Optical Isolator

Features	Applications
<ul style="list-style-type: none"> ● High Isolation ● Low Insertion Loss ● High Return Loss ● Low Polarization Sensitivity ● Epoxy Free Optical Path ● Mini Size 	<ul style="list-style-type: none"> ● Fiberoptic Amplifiers ● CATV Fiberoptic Links ● Fiberoptic Systems Testing ● Fiberoptic LAN Systems ● Telecommunications

Performance Specifications:

Parameter	Spec	
	Single Stage	Dual Stage
Operating Wavelength	1310nm,1550nm or 1585nm	
Peak Isolation(Typ.)	≥ 35dB	≥ 50dB
Isolation* (Min.)	≥ 28dB	≥ 41dB
Insertion Loss** (Typ.)	0.45dB	0.60dB
Insertion Loss*** (Max.)	≤ 0.6dB	≤ 0.7dB
Return Loss(In/Out)	≥ 60/55dB	≥ 60/55dB
Cross Talk	≥55dB	≥55dB
PDL	≤ 0.15dB	≤ 0.15dB
PMD	0.1ps(0.05ps available upon request)	
Bandwidth	± 15nm	± 30nm
Optical Power	500mW	
Operating Temperature	-20 to +70°C	
Storage Temperature	-40 to +85°C	
Fiber Type	Corning SMF-28	
Pigtail Style	Bare Fiber	
Package Dimensions	Ø 3.0mm x L25mm	

Note:

*At 23°C, over bandwidth.

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

***Including PDL, operating wavelength range, -20°C to +70°C.



Ordering Information:

S-	Isolator Type	Operating Wavelength	Grade	Pigtail Style	Fiber Length	Package	In/Out Connector
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	DIS=Single Stage DIU=Dual Stage	13=1310nm 15=1550nm	P=Grade P	1=SMF-28e	1=1.0m 2=1.5m 3=2.0m 4=Custom Length	M=Mini	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC/UPC 7=LC/APC

For Example: S-DIS-13-P-1-1-M-00