



Polarization Maintaining Optical Isolator

<p>Features</p> <ul style="list-style-type: none"> ● High Isolation ● Low Insertion Loss ● High Return Loss ● High Extinction Ratio ● Epoxy Free Optical Path 	<p>Applications</p> <ul style="list-style-type: none"> ● Fiberoptic Amplifiers ● CATV Fiberoptic Links ● Fiberoptic Systems Testing ● Fiberoptic LAN Systems ● Telecommunications
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Performance Specifications:

Parameter	Spec	
	Single Stage	Dual Stage
Operating Wavelength	1310nm, 1550nm or 1585nm	
Peak Isolation(Typ.)	42dB	58dB
Isolation* (Min.)	32dB	46dB
Insertion Loss** (Typ.)	0.40dB	0.50dB
Insertion Loss*** (Max.)	0.55dB	0.65dB
Return Loss(In/Out)	≥ 55/50dB	≥ 55/50dB
Extinction Ratio****(Min.)	20 dB	
Bandwidth	± 15nm	
Optical Power	500mW	
Operating Temperature	-5 to +70°C	
Storage Temperature	-40 to +85°C	
Fiber Type	Panda PM Fiber or Specify	
Fiber Length(Min.)	0.75 meter each end	
Package Dimensions	Ø 5.5m x L34mm(50mm including rubber boots)	

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.

****ER will be 2dB less with connectors.



Ordering Information:

S-	Isolator Type	Operating Wavelength	Grade	Pigtail Style	Fiber Length	Package	In/Out Connector	Working axis
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	PMIS=Single Stage PMIU=Dual Stage	13=1310nm 14=1480nm 15=1550nm LB=L Band	P=Grade P	1=Bare Fiber 2=900um tube	1=0.75m 2=1.0m 3=1.5m S=Custom Length	B=Package B	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC/UPC 7=LC/APC	S=Slow axis working B=Both axis working F=Fast axis working

For Example: S-PMIS-13-P-1-1-B-00-S