



1060nm Narrow Band Polarization-Insensitive Optical Isolator

Features

- High Isolation
- Low Insertion Loss
- High Return Loss
- Low Polarization Sensitivity
- Epoxy Free Optical Path

Applications

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

Performance Specifications:

Parameter	Spec			
	Single Stage		Dual Stage	
Grade	P Grade	A Grade	P Grade	A Grade
Operating Wavelength	1060nm			
Peak Isolation(Typ.)	40dB	38dB	55dB	50dB
Isolation*(Min.)	30dB	28dB	45dB	44dB
Insertion Loss**(Typ.)	1.5dB	1.8dB	2.4dB	2.8dB
Insertion Loss(Max.)	2.0dB	2.2dB	3.4dB	4.2dB
Return Loss(In/Out)	≥50dB	≥50dB	≥50dB	≥50dB
PDL	≤0.15dB	≤0.15dB	≤0.15dB	≤0.15dB
PMD	0.2ps	0.2ps	0.2ps	0.2ps
Optical Power	500mW			
Tensile Load(Max.)	5N			
Operating Temperature	-5 to +70°C			
Storage Temperature	-40 to +85°C			
Fiber Type	Corning HI 1060			
Fiber Length(Min.)	1 meter each end			
Package Dimensions	Ø5.5 x L35mm			

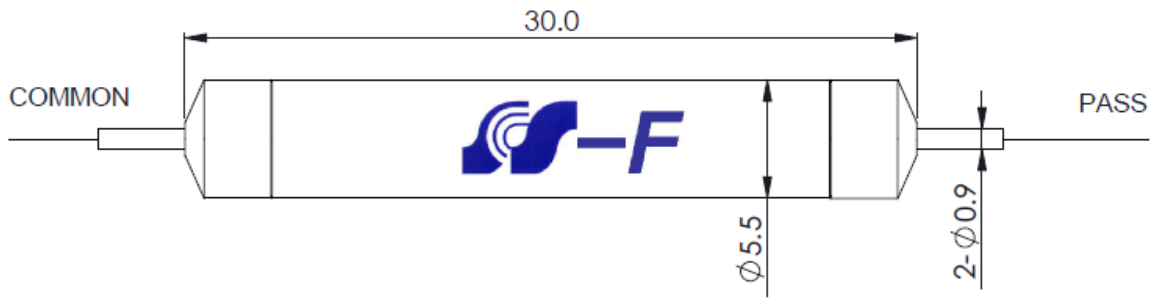
Note:

*At 23°C over bandwidth

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



Mechanical Dimensions:



Ordering Information:

S-	Isolator Type	Operating Wavelength	Grade	Pigtail Style	Fiber Length	In/Out Connector
	□□	□□	□	□	□	□□
	IS=Single stage IU=Dual stage	10=1060nm	P=Grade P A=Grade A	1=Bare Fiber 2=900um tube	1=1.0m 2=1.5m 3=2.0m 4=Custom Length	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-IS-10-P-1-1-00