980/1550nm WDM/Isolator Hybrid Combination

Features

- Wide Operating Wavelength Range
- Low Insertion Loss
- High Channel Isolation
- Ultra Low PDL & PMD
- High Stability and Reliability
- Epoxy Free Optical Path

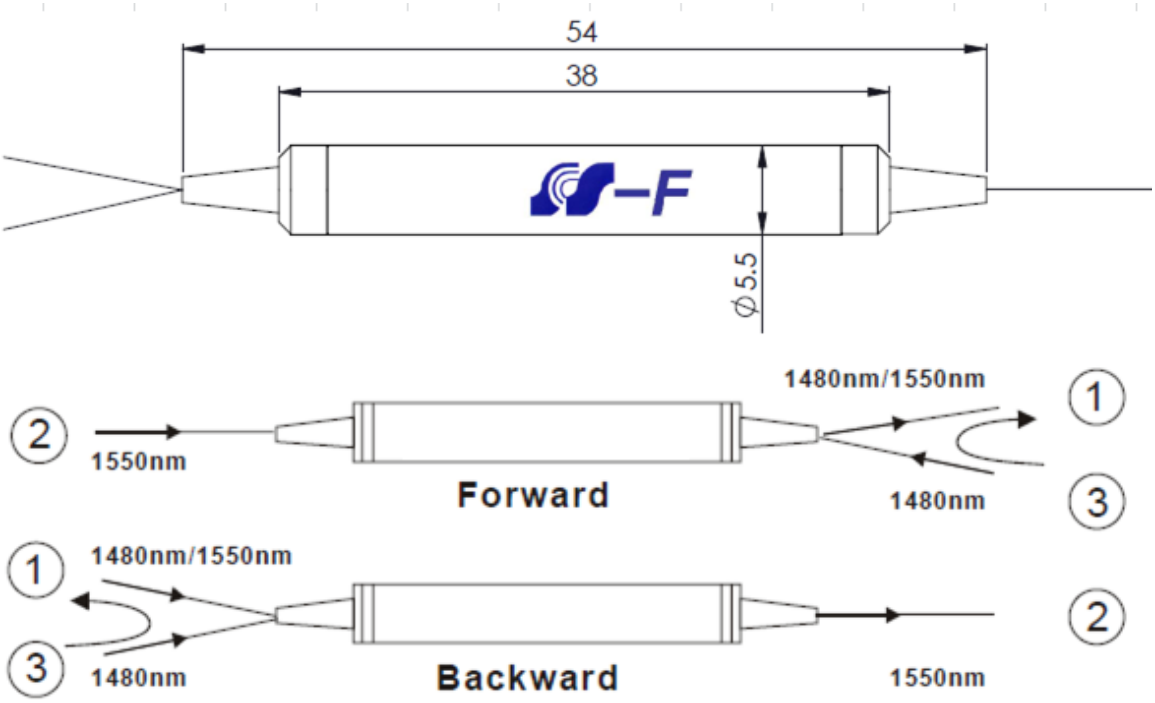
Applications

- Fiberoptic Amplifiers
- CATV Fiberoptic Links
- WDM Systems
- Fiberoptic Instruments
- Transmitters and Fiber Lasers
- Laboratory R&D

Performance Specifications:

Parameter		Spec	
		Single Stage	Dual Stage
Signal Operation Wavelength Range	C Band	1528nm to 1564nm	
	L Band	1570nm to 1605nm	
Pump Channel Wavelength Range		965nm to 1000nm	
Isolation(@23℃, all SOP)		≥ 31dB	≥ 45dB
Wavelength Isolation(1 to 3 @ signal)		≥12dB	
Wavelength Isolation(1 to 2 or 2 to1 @ pump)		≥ 30dB	
Insertion Loss(over wavelength Range and 0 to 70℃,all SOP)	Pump Channel	≤ 0.6dB	≤ 0.6dB
	Signal Channel	≤ 1.1dB	≤ 1.2dB
Temperature Dependent Loss		≤ 0.25dB	≤ 0.3dB
Wavelength Dependent Loss		≤ 0.4dB	≤ 0.5dB
Polarization Dependent Loss		≤ 0.10dB	≤ 0.20dB
Polarization Mode Dispersion(Low PMD Option)		≤ 0.25(0.05)ps	≤ 0.05ps
Directivity		≥ 55dB	
Return Loss		≥ 55dB	
Optical Power		300mW	
Operating Temperature		0 to +70°C	
Storage Temperature		-40 to +85°C	
Package Dimensions		Ø5.5 x L38mm SS tube	
Fiber Type		Corning HI 1060 at common/pump port	
		Corning SMF-28 fiber at signal port	

Mechanical Dimensions:



Ordering Information:

S-WDIH	Wavelength	Stage	Configuration	Pigtail Style	Fiber Length	In/Out Connector
	□□	□	□	□	□	□□
	59=1550/980nm 69=1585/980nm	S = Single Stage U = Dual Stage	F=Forward Pump B=Backward Pump	1=Bare Fiber 2=900um tube	1=1.0m 2=2.0m	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-WDIH-59-S-F-1-1-00