



## 1480/1550nm WDM/Tap Coupler/Isolator Hybrid Combination

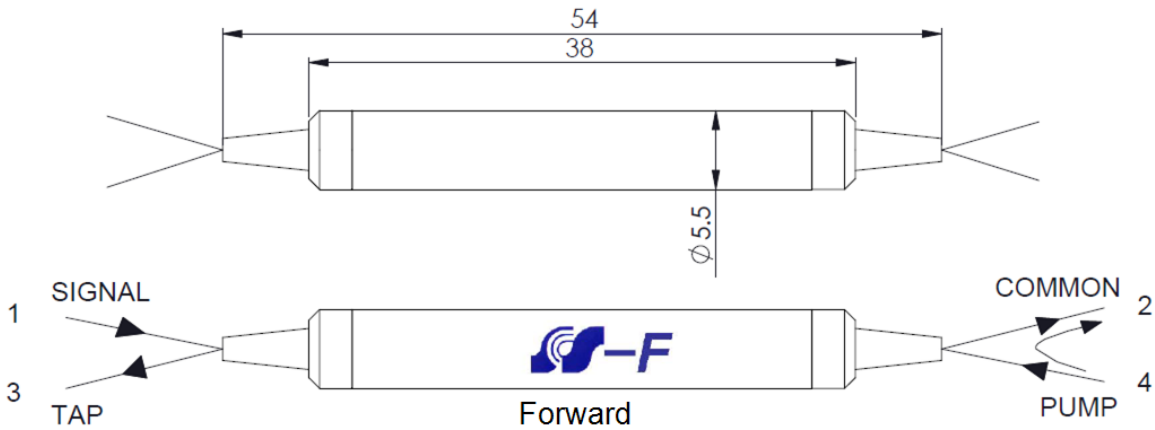
Features	Applications
<ul style="list-style-type: none"> <li>● Wide Operating Wavelength Range</li> <li>● Compact Size</li> <li>● Low Insertion Loss</li> <li>● High Channel Isolation</li> <li>● Ultra Low PDL &amp; PMD</li> <li>● High Stability and Reliability</li> <li>● Epoxy Free Optical Path</li> </ul>	<ul style="list-style-type: none"> <li>● Fiberoptic Amplifiers</li> <li>● CATV Fiberoptic Links</li> <li>● WDM Systems</li> <li>● Fiberoptic Instruments</li> <li>● Transmitters and Fiber Lasers</li> <li>● Laboratory R&amp;D</li> </ul>

### Performance Specifications:

Parameter		Spec	
		Single Stage	Dual Stage
Signal Operation	C Band	1530nm to 1565nm	
Wavelength Range	L Band	1570nm to 1605nm	
Pump Channel Wavelength Range		1450nm to 1490nm	
Isolation(@23°C, all SOP)		≥ 31dB	≥ 45dB
Isolation(2 to 4 @ signal)		≥ 12dB	
Isolation(1 to 2 @ pump)		≥ 30dB	
Insertion Loss(over wavelength range and 0 to +70°C,all SOP)	Pump Channel	≤ 0.6dB	≤ 0.6dB
	Signal Channel	≤ 1.1dB	≤ 1.3dB
	Nominal Tap Ratio 1%	19.0dB to 20.8dB	19.0dB to 20.8dB
	Nominal Tap Ratio 2%	16.2dB to 18.0dB	16.2dB to 18.0dB
	Nominal Tap Ratio 5%	12.2dB to 14.0dB	12.2dB to 14.0dB
Wavelength Dependent Loss		≤ 0.5dB	≤ 0.5dB
Polarization Dependent Loss		≤ 0.10dB	≤ 0.10dB
Polarization Mode Dispersion(Low PMD Option)		≤ 0.25(0.05)ps	≤ 0.05ps
Directivity		≥ 55dB	
Return Loss		≥ 50dB	
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 SMF-28 fiber	

Note: Values are referenced without connector loss.

### Mechanical Dimensions:



### Ordering Information:

S-WTIH	Wavelength	Stage	Tap Ratio	Pigtail Style	Fiber Length	In/Out Connector
	□□	□	□	□	□	□□
	54=1550/1480nm 64=1585/1480nm	S = Single Stage U = Dual Stage	1=1% 2=2% 5=5%	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-WTIH-54-S-1-1-1-00