

1590 1480nm High Power SM Tap Isolator WDM Hybrid

1590 1480nm High Power SM Tap Isolator WDM Hybrid is a fiber passive component which integrated with the function of Tap Filter Coupler, Optical Isolator and WDM, Tap Coupler can separate the signal power for monitoring, Optical Isolator for avoiding the backward reflection light, WDM can combine pump light and signal light. It's widely used in EDFA and Fiber Amplifier application, higher power type is available upon request.

Application:

Fiber Laser
EDFA
Raman Amplifier
Lab And Research

Features:

Compact Package
High Isolation
Low Insertion Loss
High Reliability



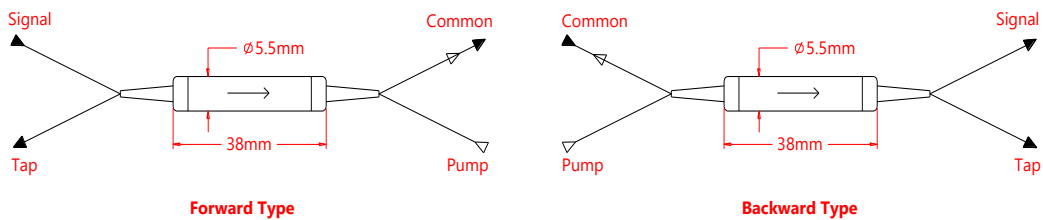
Specification:

Parameter		Symbol	Value		Unit
Signal Wavelength		λ	1590 (1530-1605)		nm
Pump Wavelength		λ	1480 (1460-1490)		nm
Isolator Stage			Single Stage	Dual Stage	-
Min. Isolation @Signal (Com to Signal Port), all SOP		Iso	30	40	dB
Min. Wavelength Isolation	Signal Channel @Pump for Signal→Com	Iso	25		dB
	Pump Channel @Signal for Pump→Com	Iso	15		dB
Max. Insertion Loss	Signal Channel EL for Signal→Com		EL	1.4	dB
	Pump Channel for Pump→Com		IL	0.6	dB
	Tap Channel for Signal→Tap	1%	IL	19.2-23.0	dB
		2%	IL	16.2-18.5	dB
		5%	IL	12.2-14.5	dB
Max. Polarization Dependent Loss		PDL	0.1	0.2	dB
Max. Polarization Mode Dispersion		PMD	0.25	0.1	ps
Min. Return Loss		RL	50		dB
Min. Directivity			55		dB
Max. Optical Power (CW)		P	0.5, 1, 3, 5 or customized		W
Max. Tensile Load			5		N
Fiber Type			SMF-28e		-
Operating Temperature		T	0~70		℃
Storage Temperature		T	-40~85		℃
Package Dimension			Φ5.5×L38		mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23°C.

For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower. Connectors only 1W CW guarantee.

Drawing:



Ordering Information (Part Number):

HSTIW-WWWWW-P-S-TT-HH-FF-J-LL-CC								
WWWW	P	S	TT	HH	FF	J	LL	CC
Wavelength (Signal/Pump)	Pump Type	Stage	Tap Ratio	Handling Power	Fiber Type on Pump Port	Fiber Jacket	Fiber Length	Connector
5548 - 1550/1480nm 5648 - 1560/1480nm 5748 - 1570/1480nm 5848 - 1580/1480nm 5948 - 1590/1480nm SSSS - Specify	F - Forward Pump B - Backward Pump	S - Single Stage D - Dual Stage	01 - 1% 02 - 2% 03 - 3% 05 - 5% 10 - 10% SS - Specify	Z5 - 0.5W 01 - 1W 03 - 3W 05 - 5W SS - Specify	S2 - SMF-28e SS - Specify	B - 250um Bare Fiber 9 - 900um Loose Tube	05 - 0.5m 10 - 1.0m 15 - 1.5m 20 - 2.0m SS - Specify	NE - None FA - FC/APC FU - FC/UPC SS - Specify