

1580 980nm High Power SM Tap Isolator WDM Hybrid

1580 980nm 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



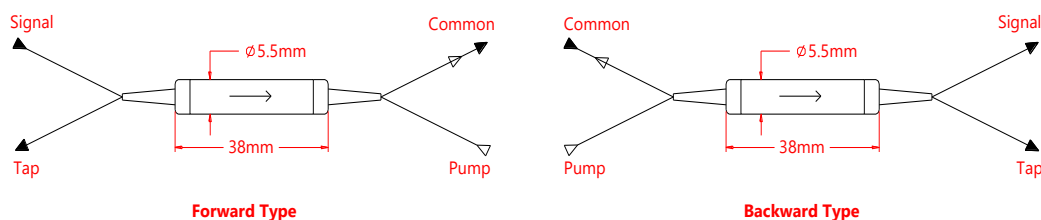
Specification:

Parameter			Symbol	Value		Unit
Signal Wavelength			λ	1580 (1530-1605)		nm
Pump Wavelength			λ	980 (960-1000)		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. Tensil Load				5		N
Fiber Type				SMF-28e for Com, Tap and Signal, HI 1060 or SMF-28e for Pump, or customized		-
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- WWW - P - S - TT - HH - FF - J - LL - CC								
WWW	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
5598 - 1550/980nm	F - Forward Pump	S - Single Stage	01 - 1%	Z5 - 0.5W	H1 - HI 1060	B - 250um Bare	05 - 0.5m	NE - None
5698 - 1560/980nm	B - Backward Pump	D - Dual Stage	02 - 2%	01 - 1W	S2 - SMF-28e	Fiber	10 - 1.0m	FA - FC/APC
5798 - 1570/980nm			03 - 3%	03 - 3W	SS - Specify	9 - 900um Loose	15 - 1.5m	FU - FC/UPC
5898 - 1580/980nm			05 - 5%	05 - 5W		Tube	20 - 2.0m	SS - Specify
5998 - 1590/980nm			10 - 10%	SS - Specify				
SSSS - Specify			SS - Specify					