

## 1480nm SM Tap+Isolator Hybrid

1480nm SM Tap+Isolator Hybrid is a fiber passive component which integrated with the function of Tap Filter Coupler and Optical Isolator, Tap Coupler can separate the signal power for monitoring, Optical Isolator for avoiding the backward reflection 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



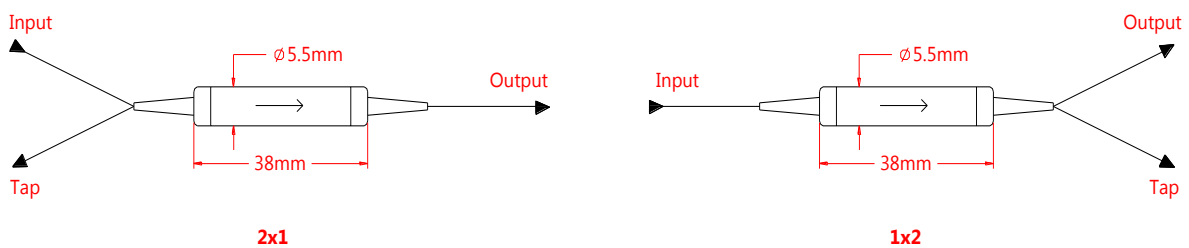
### Specification:

Parameter	Symbol	Value		Unit
Center Wavelength	$\lambda$	1480		nm
Bandwidth	BW	$\pm 20$		nm
Isolator Stage		Single Stage	Dual Stage	-
Typ. Peak Isolation	Iso	40	58	dB
Min. Isolation	Iso	28	48	dB
Max. Excess Loss	EL	0.8	0.9	dB
Max. Polarization Dependent Loss	PDL	0.1	0.15	dB
Max. Wavelength Dependent Loss	WDL	0.3	0.3	dB
Max. Polarization Mode Dispersion	PMD	0.25	0.05	ps
Tap Ratio		1 $\pm$ 0.2, 2 $\pm$ 0.4, 5 $\pm$ 1, 10 $\pm$ 2		%
Min. Return Loss	RL	50		dB
Min. Directivity		55		dB
Max. Optical Power (CW)	P	300		mW
Max. Tensile Load		5		N
Fiber Type		SMF-28e fiber on all port		-
Operating Temperature	T	0~70		°C
Storage Temperature	T	-40~85		°C
Package Dimension		$\Phi 5.5 \times L38$		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.

### Drawing:



### Ordering Information (Part Number):

SMTI- <b>WWWW</b> - <b>CC</b> - <b>S</b> - <b>TT</b> - <b>J</b> - <b>LL</b> - <b>CC</b>						
<b>WWWW</b>	<b>CC</b>	<b>S</b>	<b>TT</b>	<b>J</b>	<b>LL</b>	<b>CC</b>
Wavelength	Configuration	Stage	Tap Ratio	Fiber Jacket	Fiber Length	Connector
1310 - 1310nm	21 - 2x1	S - Single Stage	01 - 1%	B - 250um Bare Fiber	05 - 0.5m	NE - None
1450 - 1450nm	12 - 1x2	D - Dual Stage	02 - 2%	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
1480 - 1480nm			03 - 3%		15 - 1.5m	FU - FC/UPC
1550 - 1550nm			05 - 5%		20 - 2.0m	SA - SC/APC
			10 - 10%		SS - Specify	SU - SU/APC
			SS - Specify			LA - LC/APC
						LU - LC/UPC
						SS - Specify