

## 1450nm PM Tap+Isolator Hybrid

1450nm PM 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



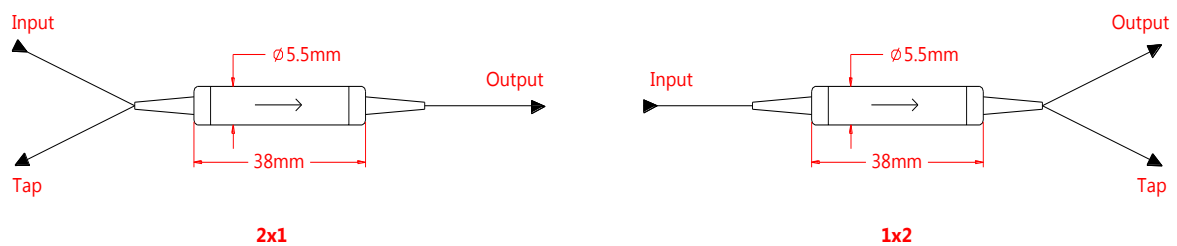
### Specification:

Parameter		Symbol	Value		Unit
Center Wavelength		$\lambda$	1450		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
Min. Extinction Ratio (Input to Output)	For Fast Axis Blocked	ER	22		dB
	For Both Axes Working	ER	20		dB
Min. Extinction Ratio (Input to Tap)		ER	18 (only for PM fiber on Tap Port)		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	For Input and Output port		PM Panda Fiber		-
	For Tap Port		PM fiber or SMF-28e fiber		-
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):

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