

## 1064nm PM Tap+Isolator Hybrid

1064nm 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



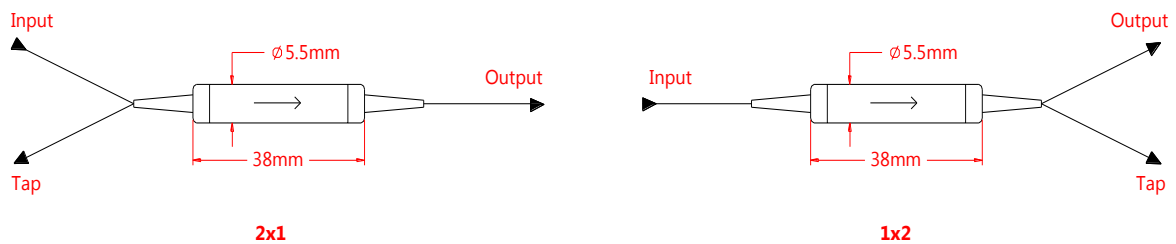
### Specification:

Parameter		Symbol	Value		Unit
Center Wavelength		$\lambda$	1064		nm
Bandwidth		BW	$\pm 5$		nm
Isolator Stage			Single Stage	Dual Stage	-
Typ. Peak Isolation		Iso	40	55	dB
Min. Isolation		Iso	30	45	dB
Max. Excess Loss		EL	2.0	3.5	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 HI 1060 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>WWWW</b> - <b>CC</b> - <b>S</b> - <b>TT</b> - <b>A</b> - <b>J</b> - <b>LL</b> - <b>CC</b>							
<b>WWWW</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
1064 - 1064nm SSSS - Specify	21 - 2x1 12 - 1x2	S - Single Stage D - Dual Stage	01 - 1% 02 - 2% 03 - 3% 05 - 5% 10 - 10% SS - Specify	F - Fast Axis Blocked B - Both Axes Working	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 SA - SC/APC SU - SU/APC LA - LC/APC LU - LC/UPC SS - Specify