

## 2000/1550nm PM Isolator+WDM Hybrid

2000/1550nm PM Isolator+WDM Hybrid is a fiber passive component which integrated with the function of WDM and fiber isolator, it can be used for combine signal wavelength and pump wavelength with a high isolation to avoid the backward wavelength, 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



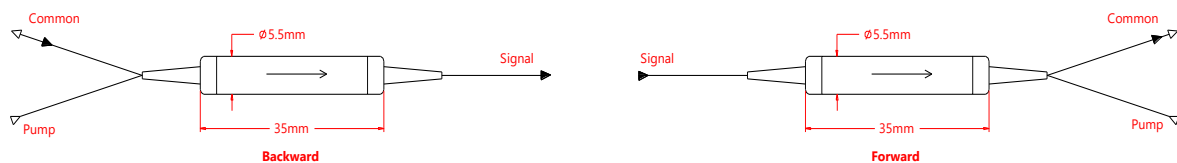
### Specification:

Parameter		Symbol	Value		Unit
Isolator Stage			Single Stage	Dual Stage	-
Signal	Signal Wavelength Range	$\lambda$	2000 (1990-2010)		nm
	Typ. Peak Isolation (Signal Reflection)	Iso	20	30	dB
	Min. Isolation (Signal Reflection)	Iso	18	28	dB
	Min. Isolation (Com to Signal @Pump)	Iso	25		dB
	Max. insertion Loss	IL	1.4	1.6	dB
Pump	Pump Wavelength	$\lambda$	1550 (1520-1580)		nm
	Min. Isolation (Com to Pump @Signal)	Iso	12		dB
	Max. insertion Loss	IL	0.6		dB
Min. Extinction Ratio		ER	18		dB
Max. Wavelength Dependent Loss		WDL	0.3		dB
Min. Return Loss		RL	50		dB
Min. Directivity			55		dB
Max. Optical Power (CW)		P	300		mW
Max. Tensile Load			5		N
Fiber Type			PM 1550 or PM 1950 for COM and Signal PM 1550 or SMF-28e for Pump		-
Operating Temperature		T	-5~70		°C
Storage Temperature		T	-40~85		°C
Package Dimension			Φ5.5×L35		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, ER will be 2dB lower, RL will be 5dB lower.

### Drawing:



### Ordering Information (Part Number):

PMTI-**WWW/WWW-P-S-W-F-J-LL-CC**

<b>WWW/WWW</b>	<b>P</b>	<b>S</b>	<b>W</b>	<b>F</b>	<b>J</b>	<b>LL</b>	<b>CC</b>
Wavelength (Signal/Pump)	Pump Type	Stage	Working Axis	Fiber Type on Pump Port	Fiber Jacket	Fiber Length	Connector
2000/1550 - 2000/1550nm	F - Forward B - Backward	S - Single Stage D - Dual Stage	F - Fast Axis Blocked B - Both Axes Working	S2 - SMF-28e P5 - PM 1550	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/UFC SA - SC/APC SU - SU/APC LA - LC/APC LU - LC/UFC SS - Specify