

## High Power 1050nm PM Tap+Isolator Hybrid

1050nm High Power 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, if need pulse type please contact us to confirm.

### Application:

Fiber Laser  
EDFA  
Raman Amplifier  
Lab And Research

### Features:

Compact Package  
High Isolation  
Low Insertion Loss  
High Reliability



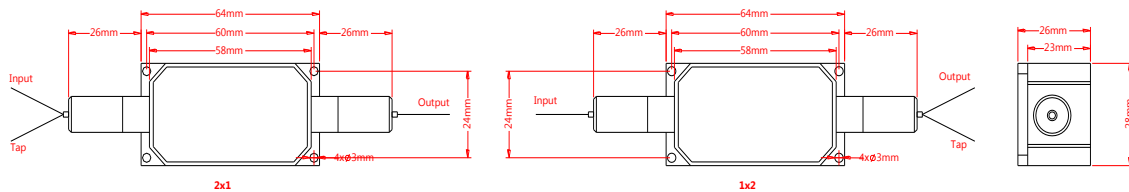
### Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	$\lambda$	1050	nm
Bandwidth	BW	$\pm 5$	nm
Typ. Peak Isolation	Iso	32	dB
Min. Isolation	Iso	25	dB
Max. Excess Loss	EL	1.2	dB
Min. Extinction Ratio	ER	20	dB
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	0.5, 1, 3, 5, 10, 20 or customized	W
Max. Peak Power (Pulse)	P	5, 10, 20 or customized	kW
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	$^{\circ}$ C
Storage Temperature	T	-40~85	$^{\circ}$ C
Package Dimension			mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23  $^{\circ}$ 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):

WWWW	CC	TT	HH	FF	A	J	LL	CC
Wavelength	Configuration	Tap Ratio	Handling Power	Fiber Type on Tap Port	Working Axis	Fiber Jacket	Fiber Length	Connector
1030 - 1030nm	21 - 2x1	01 - 1%	Z5 - 0.5W	PM - PM Fiber	F - Fast Axis	B - 250um Bare Fiber	05 - 0.5m	NE - None
1040 - 1040nm	12 - 1x2	02 - 2%	01 - 1W	H1 - HI 1060 Fiber	Blocked	Fiber	10 - 1.0m	FA - FC/APC
1050 - 1050nm		03 - 3%	03 - 3W		B - Both Axes	9 - 900um Loose Tube	15 - 1.5m	FU - FC/UPC
1053 - 1053nm		05 - 5%	05 - 5W		Working		20 - 2.0m	SA - SC/APC
1060 - 1060nm		10 - 10%	10 - 10W				SS - Specify	SU - SU/APC
1064 - 1064nm		SS - Specify	20 - 20W					LA - LC/APC
SSSS - Specify			SS - Specify					LU - LC/UPC
								SS - Specify