

High Power 850nm PM Tap+Isolator Hybrid

850nm 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



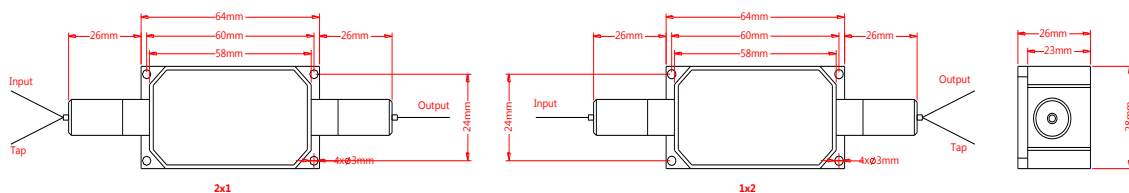
Specification:

Parameter		Symbol	Value	Unit
Center Wavelength		λ	850	nm
Bandwidth		BW	± 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 780 fiber	-
Operating Temperature		T	0~70	°C
Storage Temperature		T	-40~85	°C
Package Dimension				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. Connectors only 1W CW guarantee.

Drawing:



Ordering Information (Part Number):

HPMTI- WWW - CC - TT - HH - FF - A - J - LL - CC								
WWW	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
800 - 800nm	21 - 2x1	01 - 1%	Z5 - 0.5W	PM - PM Fiber	F - Fast Axis	B - 250um Bare Fiber	05 - 0.5m	NE - None
808 - 808nm	12 - 1x2	02 - 2%	01 - 1W	H7 - HI 780 Fiber	Blocked		10 - 1.0m	FA - FC/APC
810 - 810nm		03 - 3%	03 - 3W		B - Both Axes	9 - 900um Loose Tube	15 - 1.5m	FU - FC/UPC
820 - 820nm		05 - 5%	05 - 5W		Working		20 - 2.0m	SA - SC/APC
830 - 830nm		10 - 10%	10 - 10W				SS - Specify	SU - SU/APC
850 - 850nm		SS - Specify	20 - 20W					LA - LC/APC
SSS - Specify			SS - Specify					LU - LC/UPC
								SS - Specify