

High Power 780nm PM Tap+Isolator Hybrid

780nm 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



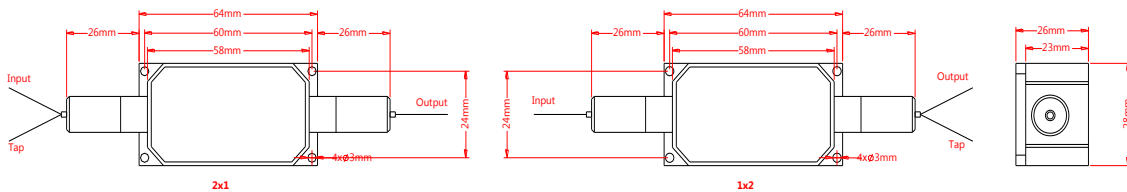
Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	780	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	$^{\circ}$ 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):

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
760 - 760nm	21 - 2x1	01 - 1%	Z5 - 0.5W	PM - PM Fiber	F - Fast Axis	B - 250um Bare Fiber	05 - 0.5m	NE - None
780 - 780nm	12 - 1x2	02 - 2%	01 - 1W	H7 - HI 780 Fiber	Blocked	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
790 - 790nm		03 - 3%	03 - 3W		B - Both Axes		15 - 1.5m	FU - FC/UPC
793 - 793nm		05 - 5%	05 - 5W		Working		20 - 2.0m	SA - SC/APC
SSS - Specify		10 - 10%	10 - 10W				SS - Specify	SU - SU/APC
		SS - Specify	20 - 20W					LA - LC/APC
			SS - Specify					LU - LC/UPC
								SS - Specify