

1064 980nm High Power PM Tap Isolator WDM Hybrid

1064 980nm High Power PM Tap Isolator WDM Hybrid is a fiber passive component which integrated with the function of Tap Filter Coupler, Optical Isolator and WDM, Tap Coupler can separate the signal power for monitoring, Optical Isolator for avoiding the backward reflection light, WDM can combine pump light and signal light. It's widely used in Fiber Laser and Fiber Amplifier application, higher power type is available upon request.

Application:

Fiber Laser
Fiber Amplifier
Test System
Lab And Research

Features:

Compact Package
High Isolation
Low Insertion Loss
High Reliability



Specification:

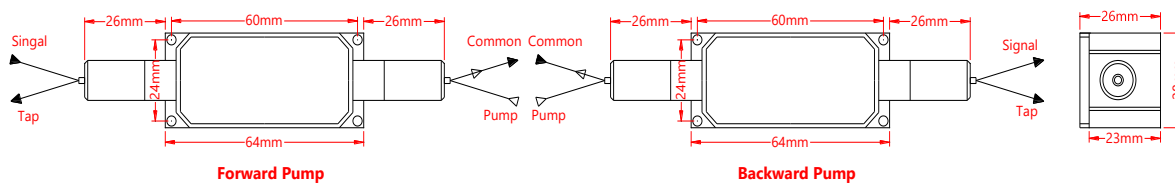
Parameter	Symbol	Value	Unit
Signal Wavelength	λ	1064 (1020~1100)	nm
Pump Wavelength	λ	980 (970-990)	nm
Min. Isolation @Signal (Com to Signal Port), all SOP	Iso	25	dB
Min. Wavelength Isolation	Signal Channel @Pump for Signal→Com	25	dB
	Pump Channel @Signal for Pump→Com	15	dB
	Signal Channel EL for Signal→Com	1.4	dB
Max. Insertion Loss	Pump Channel for Pump→Com	0.6	dB
	Tap Channel for Signal→Tap	1%	19.2-23.0
		2%	16.2-18.5
		5%	12.2-14.5
Min. Extinction Ratio	ER	18	dB
Min. Return Loss	RL	50	dB
Min. Directivity		50	dB
Max. Optical Power (CW)	P	0.5, 1, 3, 5, 10, 20 or customized	W
Max. Tensile Load		5	N
Fiber Type		PM 980 fiber for Com Signal and Tap, PM 980 or HI 1060 for Pump	-
Operating Temperature	T	10~50	°C
Storage Temperature	T	0~60	°C
Package Dimension		64x28x26	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.

Slow axis is default aligned to the connector key. Connectors only 1W CW optical power guarantee.

Drawing:



Ordering Information (Part Number):

HPTIW-WWWW-P-TT-A-HH-FF-J-LL-CC								
WWW	P	TT	A	HH	FF	J	LL	CC
Wavelength (Signal/Pump)	Pump Type	Tap Ratio	Working Axis	Handling Power	Fiber Type on Pump Port	Fiber Jacket	Fiber Length	Connector
3098 - 1030/980nm	F - Forward Pump	01 - 1%	F - Fast Axis	Z5 - 0.5W	P9 - PM 980	B - 250um Bare	05 - 0.5m	NE - None
4098 - 1040/980nm	B - Backward Pump	02 - 2%	Blocked	01 - 1W	H1 - HI 1060	Fiber	10 - 1.0m	FA - FC/APC
5098 - 1050/980nm		03 - 3%	B - Both Axes	03 - 3W	SS - Specify	9 - 900um Loose	15 - 1.5m	FU - FC/UPC
6498 - 1064/980nm		05 - 5%	Working	05 - 5W		Tube	20 - 2.0m	SS - Specify
SSSS - Specify		10 - 10%		10 - 10W			SS - Specify	
		SS - Specify		20 - 20W				
				SS - Specify				