

1064 980nm High Power SM Tap Isolator WDM Hybrid

1064 980nm High Power SM 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
Testing System
Lab And Research

Features:

Compact Package
High Isolation
Low Insertion Loss
High Reliability



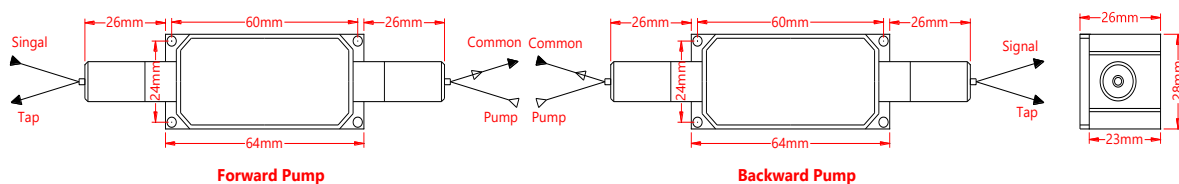
Specification:

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
Max. Polarization Dependent Loss	PDL	0.15	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		HI 1060 or customized	-
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, RL will be 5dB lower. Connectors only 1W CW guarantee.

Drawing:



Ordering Information (Part Number):

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