

1030nm High Power SM Tap Isolator Hybrid

1030nm High Power SM 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 Optical Quantum Communication and Fiber Laser System, if need pulse type please contact us to confirm.

Application:

Quantum Communication
Fiber Laser
Testing System
Lab And Research

Features:

Compact Package
High Isolation
Low Insertion Loss
High Reliability



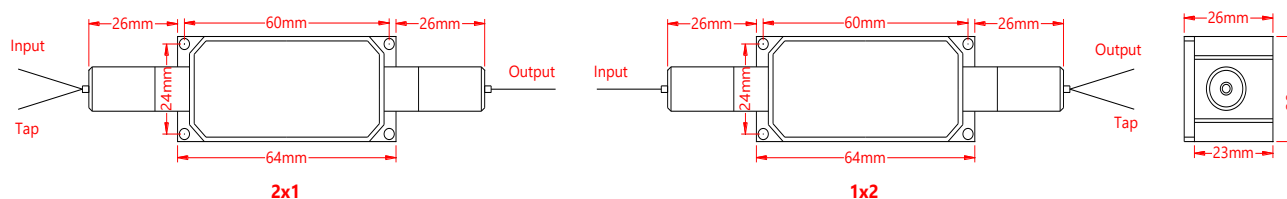
Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	1030	nm
Bandwidth	BW	± 10	nm
Typ. Peak Isolation	Iso	32	dB
Min. Isolation	Iso	25	dB
Max. Excess Loss	EL	1.4	dB
Tap Ratio		1 $\pm$ 0.2, 2 $\pm$ 0.4, 5 $\pm$ 1, 10 $\pm$ 2	%
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, 50, 100 or customized	W
Max. Peak Power (Pulse)	P	5, 10, 20 or customized	kW
Max. Tensile Load		5	N
Fiber Type		HI 1060, 10/125DC, 20/130DC, 30/250DC, 20/400DC, 25/400DC fiber	-
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. EL will be 0.2dB higher, connectors only 1W CW guarantee.

Drawing:



Ordering Information (Part Number):

WWW	CC	TT	HH	FF	J	LL	CC
Wavelength	Configuration	Tap Ratio	Handling Power	Fiber Type	Fiber Jacket	Fiber Length	Connector
1020 - 1020nm	21 - 2x1	T1 - 0.1%	Z5 - 0.5W	H1 - HI 1060	B - 250um Bare Fiber	05 - 0.5m	NE - None
1030 - 1030nm	12 - 1x2	01 - 1%	01 - 1W	D1 - 10/125 DC	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
1040 - 1040nm		02 - 2%	03 - 3W	D2 - 20/130 DC		15 - 1.5m	FU - FC/UPC
1050 - 1050nm		03 - 3%	05 - 5W	D3 - 30/250 DC		20 - 2.0m	SS - Specify
1053 - 1053nm		05 - 5%	10 - 10W	D4 - 20/400 DC		SS - Specify	
1060 - 1060nm		10 - 10%	20 - 20W	D5 - 25/400 DC			
1064 - 1064nm		SS - Specify	50 - 50W	SS - Specify			
1080 - 1080nm			1H - 100W				
SSSS - Specify			SS - Specify				