

1550nm High Power SM Tap Isolator Hybrid

1550nm 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



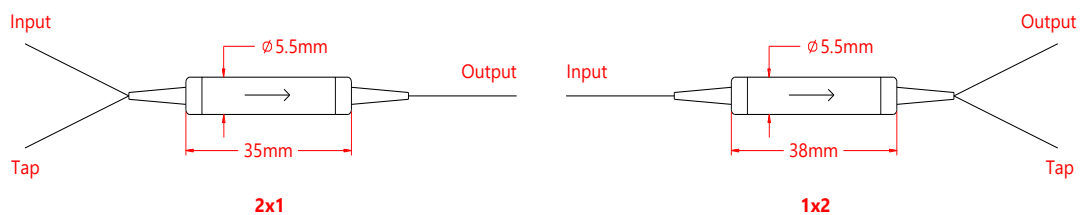
Specification:

Parameter	Symbol	Value		Unit
Center Wavelength	λ	1550		nm
Bandwidth	BW	± 10		nm
Stage		Single Stage	Dual Stage	-
Typ. Peak Isolation	Iso	42	58	dB
Min. Isolation	Iso	28	48	dB
Max. Excess Loss	EL	1.2	1.5	dB
Tap Ratio		$1 \pm 0.2, 2 \pm 0.4, 5 \pm 1, 10 \pm 2$		%
Max. Polarization Dependent Loss	PDL	0.1	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, 30, 50 or customized		W
Max. Peak Power (Pulse)	P	5, 10, 20 or customized		kW
Max. Tensile Load		5		N
Fiber Type		SMF-28e, SM-GDF-1550, 8/125DC, 10/125DC, 14/125SC, 14/125DC, 12/130DC, 25/300DC or customized		-
Operating Temperature	T	$-5 \sim 75$		$^{\circ}\text{C}$
Storage Temperature	T	$-40 \sim 85$		$^{\circ}\text{C}$
Package Dimension		$\Phi 5.5 \times L35$		mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23 $^{\circ}\text{C}$.

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):

HSTI-**WWW**-**CC**-**S**-**TT**-**HH**-**FF**-**J**-**LL**-**CC**

WWW	CC	S	TT	HH	FF	J	LL	CC
Wavelength	Configuration	Stage	Tap Ratio	Handling Power	Fiber Type	Fiber Jacket	Fiber Length	Connector
1510 - 1510nm	21 - 2x1	S - Single Stage	T1 - 0.1%	Z5 - 0.5W	S2 - SMF-28e	B - 250um Bare	05 - 0.5m	NE - None
1530 - 1530nm	12 - 1x2	D - Dual Stage	01 - 1%	01 - 1W	D1 - SM-GDF-1550	Fiber	10 - 1.0m	FA - FC/APC
1550 - 1550nm			02 - 2%	03 - 3W	D2 - 8/125 DC	9 - 900um Loose	15 - 1.5m	FU - FC/UPC
1560 - 1560nm			03 - 3%	05 - 5W	D3 - 10/125 DC	Tube	20 - 2.0m	SS - Specify
1570 - 1570nm			05 - 5%	10 - 10W	S4 - 14/125 SC			
1580 - 1580nm			10 - 10%	20 - 20W	D4 - 14/125 DC			
SSSS - Specify			SS - Specify	30 - 30W	D5 - 12/130 DC			
				50 - 50W	D6 - 25/300 DC			
				SS - Specify	SS - Specify			