2050nm SM Tap+Isolator Hybrid

2050nm SM Tap+Isolator Hybrid is a fiber passive component which integrated with the function of Tap Filter Coupler and Optical Isolator, Tap Coupler can seperate the signal power for monitoring, Optical Isolator for avoiding the backward reflection light, It's widely used in EDFA and Fiber Amplifier application, higher power type is available upon request.

Application:

Fiber Laser
EDFA
Raman Amplifier
Lab And Research

Features:

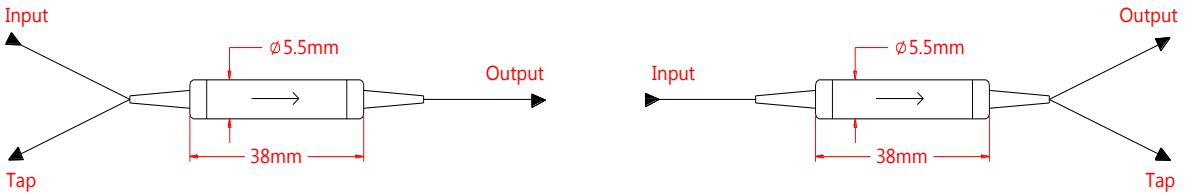
Compact Package
High Isolation
Low Insertion Loss
High Relaibility

Specification:

Parameter	Symbol	Value		Unit
Center Wavelength	λ	2050		nm
Bandwidth	BW	±10		nm
Isolator Stage		Single Stage	Dual Stage	-
Typ. Peak Isolation	Iso	22	32	dB
Min. Isolation	Iso	18	28	dB
Max. Excess Loss	EL	1.3	1.5	dB
Max. Polarization Dependent Loss	PDL	0.1	0.15	dB
Max. Wavelength Dependent Loss	WDL	0.3	0.3	dB
Max. Polarization Mode Dispersion	PMD	0.25	0.05	ps
Tap Ratio		1±0.2, 2±0.4, 5±1, 10±2		%
Min. Return Loss	RL	50		dB
Min. Directivity		55		dB
Max. Optical Power (CW)	P	300		mW
Max. Tensil Load		5		N
Fiber Type		SM1950 fiber on all port		-
Operating Temperature	T	0~70		℃
Storage Temperature	T	-40~85		℃
Package Dimension		Φ5.5×L38		mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23℃.
For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower.

Drawing:



2x1 **1x2**

Ordering Information (Part Number):

SMTI-WWWW-CC-S-TT-J-LL-CC

WWWW	CC	S	TT	J	LL	CC
Wavelength	**Confirguration**	**Stage**	**Tap Ratio**	**Fiber Jacket**	**Fiber Length**	**Connector**
1940 - 1940nm 1950 - 1950nm 2000 - 2000nm 2050 - 2050nm	21 - 2x1 12 - 1x2	S - Single Stage D - Dual Stage	01 - 1% 02 - 2% 03 - 3% 05 - 5% 10 - 10% SS - Specify	B - 250um Bare Fiber 9 - 900um Loose Tube	05 - 0.5m 10 - 1.0m 15 - 1.5m 20 - 2.0m SS - Specify	NE - None FA - FC/APC FU - FC/UPC SA - SC/APC SU - SU/APC LA - LC/APC LU - LC/UPC SS - Specify