1064nm SM Isolator+Band Pass Filter Hybrid

1064nm SM Isolator+Band Pass Filter Hybrid is a fiber passive component which integrated with the function of Fiber Isolator and Band Pass Filter, Optical Isolator for avoiding the backward reflection light, Band Pass Filter for filter out the required wavelength, 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:

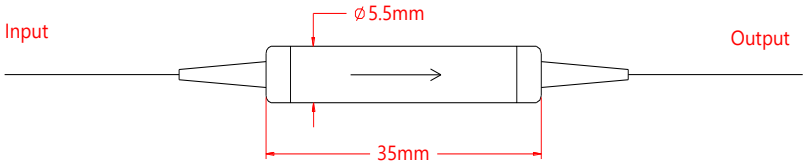
Compact Package
High Isolation
Low Insertion Loss
High Relaibility

Specification:

Parameter	Symbol	Value		Unit
Center Wavelength	λ	1064		nm
Bandwidth	BW	±5		nm
Isolator Stage		Single Stage	Dual Stage	-
Typ. Peak Isolation	Iso	40	58	dB
Min. Isolation	Iso	28	45	dB
Max. Insertion Loss	IL	2.3	3.5	dB
Max. Polarization Dependent Loss	PDL	0.15	0.15	dB
Max. Wavelength Dependent Loss	WDL	0.3	0.3	dB
Max. Polarization Mode Dispersion	PMD	0.25	0.05	ps
Min. Pass Band (@-0.5dB)		1, 2, 5, 8, 15 or customized		nm
Max. Stop Band (@-25dB)		6, 10, 12, 25 or customized		nm
Min. Return Loss	RL	45		dB
Min. Directivity		50		dB
Max. Optical Power (CW)	P	300		mW
Max. Tensil Load		5		N
Fiber Type		HI 1060 fiber		-
Operating Temperature	T	0~70		℃
Storage Temperature	T	-40~85		℃
Package Dimension		Φ5.5×L35		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:



Ordering Information (Part Number):

SMIF-WWWW-S-PP-SS-J-LL-CC

WWWW	S	PP	SS	J	LL	CC
Wavelength	**Stage**	**Pass Band**	**Stop Band**	**Fiber Jacket**	**Fiber Length**	**Connector**
1064 - 1064nm	S - Single Stage D - Dual Stage	01 - 1nm 02 - 2nm 05 - 5nm 15 - 15nm SS - Specify	06 - 6nm 10 - 10nm 12 - 12nm 25 - 25nm 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