

High Power 1030nm SM Isolator+Band Pass Filter Hybrid

1030nm High Power 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, handling power can be up to 20W CW, if need pulse type please contact us to confirm

Application:

Fiber Laser
EDFA
Raman Amplifier
Lab And Research

Features:

Compact Package
High Isolation
Low Insertion Loss
High Reliability



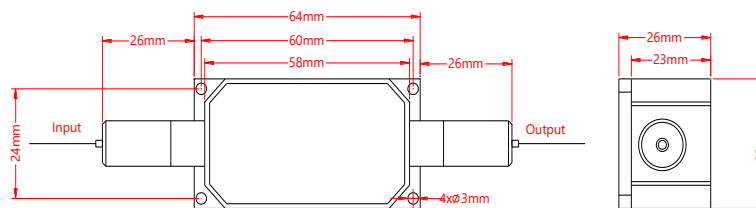
Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	1030	nm
Bandwidth	BW	± 5	nm
Typ. Peak Isolation	Iso	42	dB
Min. Isolation	Iso	28	dB
Max. Insertion Loss	IL	1.3	dB
Max. Polarization Dependent Loss	PDL	0.15	dB
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	1, 3, 5, 10, 20 or customized	W
Max. Peak Power (Pulse)	P	5, 10, 20 or customized	kW
Max. Tensile Load		5	N
Fiber Type		HI 1060 fiber	-
Operating Temperature	T	0~70	$^{\circ}\text{C}$
Storage Temperature	T	-40~85	$^{\circ}\text{C}$
Package Dimension			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.

Drawing:



Ordering Information (Part Number):

HSMIF- WWW - PP - SS - HH - J - LL - CC						
WWW	PP	SS	HH	J	LL	CC
Wavelength	Pass Band	Stop Band	Handling Power	Fiber Jacket	Fiber Length	Connector
1030 - 1030nm	01 - 1nm 02 - 2nm 05 - 5nm 15 - 15nm SS - Specify	06 - 6nm 10 - 10nm 12 - 12nm 25 - 25nm SS - Specify	01 - 1W 03 - 3W 05 - 5W 10 - 10W 20 - 20W 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