High Power 980nm PM Tunable Optical Filter

High Power 980nm PM Tunable Optical Filter is a fiber passive component which can be used for filter out variable wavelength range from a wide wavelength bandwidth, it's based on thin film cavity filter technology, the demanded wavelength can be filtered out precisely by adjusting the manual screw. Wavelength can be tuned continuously over a wide spectral range up to 80nm, it's widely used in Fiber Optic Sensor and Optical Testing System.

Application:

Testing System
Fiber Optic Sensor
ASE Control
Lab & Research

Features:

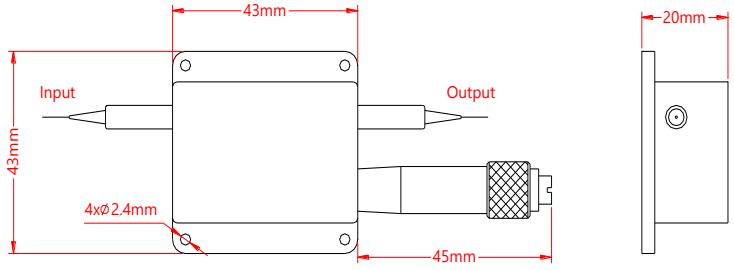
Low Insertion Loss
High Resolution
Wide Tuning Range
High Realibility

Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	980	nm
Tuning Range		80	nm
Tuning Resolution		0.02 (min.), 0.1 (typ.)	nm
Insertion Loss	IL	4.0 (max.), 2.5 (typ.)	dB
Bandwidth @-3dB	BW	1.2 (max.), 1.0 (typ.)	nm
Typ. Bandwidth @-20dB	BW	10	nm
Extinction Ratio	ER	18 (min.), 20 (typ.)	dB
Min. Return Loss	RL	40	dB
Max. Optical Power (CW)	P	0.5, 1, 3, 5, 10	W
Max. Tensil Load		5	N
Fiber Type		PM 980 Panda Fiber	-
Operating Temperature	T	0~70	℃
Storage Temperature	T	-40~85	℃
Package Dimension			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, ER will be 2dB lower, RL will be 5dB lower.
Slow axis is default aligned to the connector key. Connectors only 1W CW optical power guarantee.

Drawing:



Ordering Information (Part Number):

HPMTOF-WWW-HH-J-LL-CC

WWW	HH	J	LL	CC
Wavelength	**Handling Power**	**Fiber Jacket**	**Fiber Length**	**Connector**
980 - 980nm SSS - Specify	Z5 - 0.5W 01 - 1W 03 - 3W 05 - 5W 10 - 10W SS - Specify	B - 250um Bare Fiber 9 - 900um Loose Tube	05 - 0.5m 08 - 0.8m 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