780nm PM Tunable Optical Filter

780nm 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 40nm,

Application:

Optical Comb
Fiber Optic Sensor
ASE Control
Lab & Research

Features:

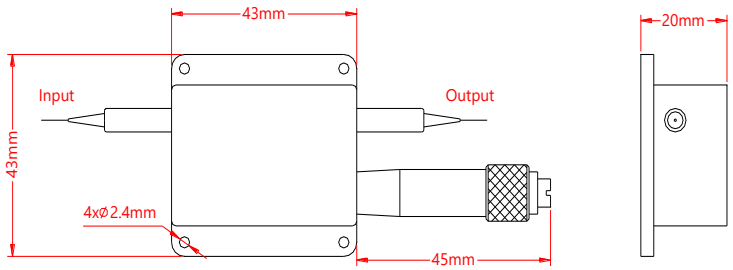
Low Insertion Loss
High Resolution
Wide Tuning Range
High Realibility

Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	780	nm
Tuning Range		40	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	500	mW
Max. Tensil Load		5	N
Fiber Type		PM 850 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.

Drawing:



Ordering Information (Part Number):

PMTOF-WWW-J-LL-CC

WWW	J	LL	CC
Wavelength	**Fiber Jacket**	**Fiber Length**	**Connector**
780 - 780nm SSS - 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