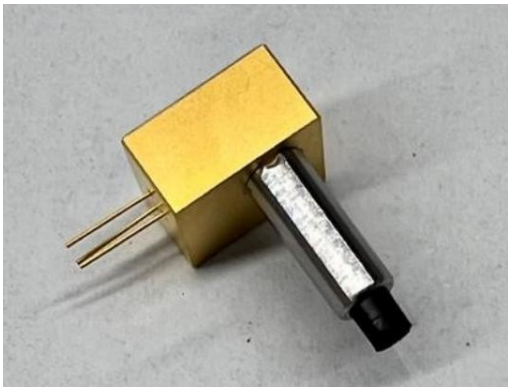
Small Tunable Optical Filter 1064nm TOF with the INSERTION Loss Less Than 2.5dB FC/APC



Product Description

Idealphotonics' MEMS tunable filter is based on the principles of MEMS (micro-electromechanical systems) technology and grating technology, and has the characteristics of small size, fast speed, long life, high stability and reliability.

Product features

High thermal stability and repeatability, long service life 、 Good optical

performance, low insertion loss and small size 、 Customizable (wavelength and attenuation range)

Part Number

MP-WTF-1064-0.8-FA

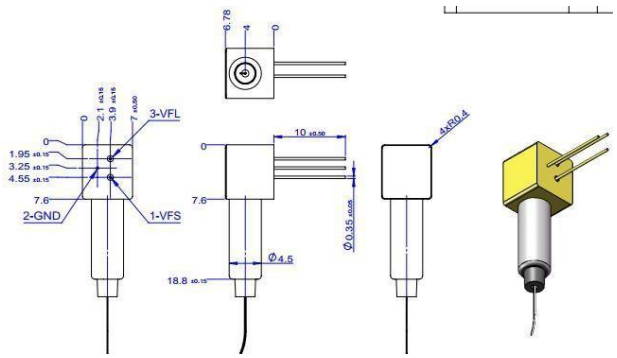
Application area

Optical channel performance monitoring 、 Spectral analysis 、 ROADM 、 Signal tracking

Core parameters

Wavelength Range	Response Time	Bandwidth
1064±20nm	⩽5ms	0.8-1.2nm

Dimension Drawing



General Parameters

Main parameters

Parameter	Index		Unit
Wavelength range	1064±20		nm
Insertion Loss (IL)	＜2.5（Typical value 1.5）		dB
Response time	≤5		ms
Bandwidth @3dB	0.8- 1.2		nm
Return loss (RL)	>40		Db
Side peak suppression ratio	≤25		dB
Polarization Dependent Loss	0.5		dB
life	1*10^9		cycles
Maximum input optical power	20		dBm
Operating temperature	- 5	70	℃
Storage temperature	- 40	85	℃
Fiber Type	Hi 1060		- -
Fiber length	1+/-0.05m		- -
Connector Type	FC/APC		- -
Fiber Optic Sleeve	50cm bare fiber, 50cm 900um loose tube		- -
ESD Threshold (HBM)	500		V
DC Driving voltage	0~60		V

Pin Definition

	Definition	Description	Illustration
PIN1	VFS	on for shortwave filtering	1. PIN1&PIN2 When powered, the product operates at 1044nm-1064nm Band. 2. Power range: 0-60V
PIN2	GND	Grounding	
PIN3	VFL	on for long wave side filtering	1. PIN3&PIN2 When powered, the product operates at 1064nm-1084nm Band. 2. Power supply range: 0-60V

Note:

1. PIN1 and PIN3 cannot be powered at the same time .

2. When storing and operating the product, please pay attention to static protection .

3. The product damage voltage is 65V.