

## Fiber Optic Tunable Filter (GK-FOTF Series)

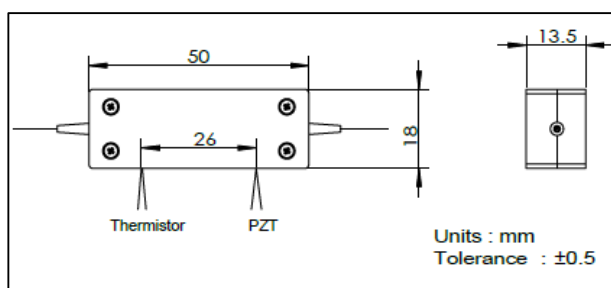
### ● Description

The Fiber Optic Tunable Filter (FOTF) is based on fiber Fabry-Perot interferometer technology. Driven by a piezoelectric actuator, the device can be tuned across a wide band range. New techniques have been applied in FOTF to guarantee high accuracy fiber alignment and to support fast tuning rate. It is an ideal solution for applications in wavelength scanning, spectrum analysis, signal selection and noise rejection.

### ● Specifications

Parameter	Unit	Value
Wavelength Range	nm	C + L band
Typ. FSR	nm	100-200 optional
Typ. Finesse	-	400 1000 2000 5000 10000
Max. Peak Insertion Loss	dB	1.2 1.6 1.4 2 2.5
Max. Optical Power	mW	50 20 10 4 2
Typ. Pass Bandwidth @ -3dB	nm	FSR / Finesse
Resonant Frequency	kHz	65 ± 10 75 ± 10
Voltage/FSR for DC Bias	V	20 ± 5 40 ± 5
Max. Tuning Voltage	V	80
Fiber Type	-	SMF-28e+
Resistance of NTC Thermistor @ 25°C	kΩ	5
Operating Temperature	℃	10 to +50
Storage Temperature	℃	-10 to +70
Dimensions	mm	13.5 x 18 x 50

### ● Package Dimensions



## ● Ordering Information

GK-FOTF-①-②-③-④-⑤-⑥-⑦-⑧

### ①: Wavelength Range

B - C + L band

S - Specify

### ②: FSR

150 - 150 ±20 nm

SSS - Specify

### ③: Finesse

400 - 400

SSS - Specify

### ④: Resonant Frequency

65 - 65 ±10 kHz

75 - 75 ±10 kHz

### ⑤: Connector Type

N - None

S - Specify

### ⑥: Fiber Jacket

L - 900 μm loose tube

S - Specify

### ⑦: Fiber Length

1 - 1.0 m

S - Specify

### ⑧: Thermistor

Y - With thermistor

N - Without thermistor