

## Rack Type Wavelength Tunable Filter Unit

Wavelength can be tuned by changing the angle of an oxide dielectric bandpass filter. This module rotates oxide dielectric bandpass filters with a micrometer to control wavelength. This product combines the modules as units. A 3U rack can contain up to 8 units.

### Features

- Capability to tune wavelength of multi-cavity bandpass filters
- Exchangeable holder type filters
- Filter holder with capability for common use with rack type and cartridge type
- All units (polarization controllers, optical delay lines, etc.) are exchangeable and can be arbitrarily combined within a rack.

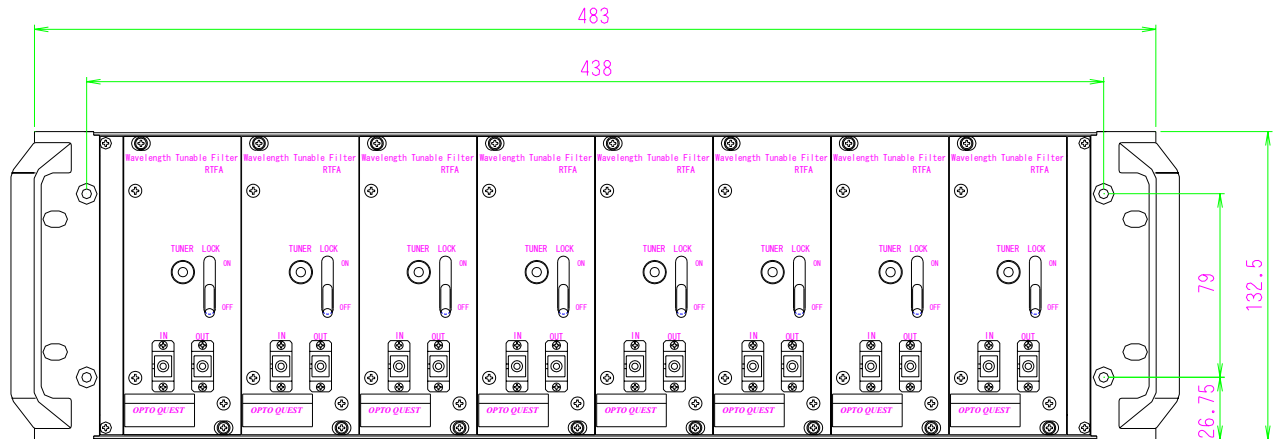


### Specifications

Model	RTFA
Insertion Loss*	≤ 1.0 dB (Typ) @ Max. wavelength
Wavelength Tunable Range*	30 nm (Typ)
Return Loss*	≥ 50 dB
Optical Fiber	SMF or DSF or PMF
Optical Adapter	FC Type or SC Type

\* The value may vary depending on the characteristics of bandpass filters.

## Product Dimensions



### Combination example: RTFA (8ch)

\* Polarization controller units, optical delay line units, variable optical attenuator units can also be combined.

## Ordering Instructions

### +Rack Type Wavelength Tunable Filter Unit (Angle Tunable Type)

Order format: **RTFA - (1) - (2) / (3) - (4) / (5)**

Order format example: RTFA-1570-1/2-D/F

(Max. Wavelength: 1570nm, Half Bandwidth: 1nm, Number of Cavities: 2, Fiber: DSF  
Connector: FC/SPC)

### +Rack (This is Shelf for 19inch rack)

Order format: **RC - 19**

(1) Wavelength	Tunable Maximum Wavelength
(2) Half Bandwidth	0.6, 1, 3, 5, 10, 15 and 20 nm * Otherwise, customizable.
(3) Number of Cavities	2, 3, 4, 5, 6 and 7 cavities * Otherwise, customizable.
(4) Optical Fiber	S: SMF D: DSF P: PMF
(5) Optical Connector	F: FC/SPC S: SC/SPC FA: FC/Angled PC SA: SC/Angled PC

\*Please refer to the reference page for the filter characteristics.