

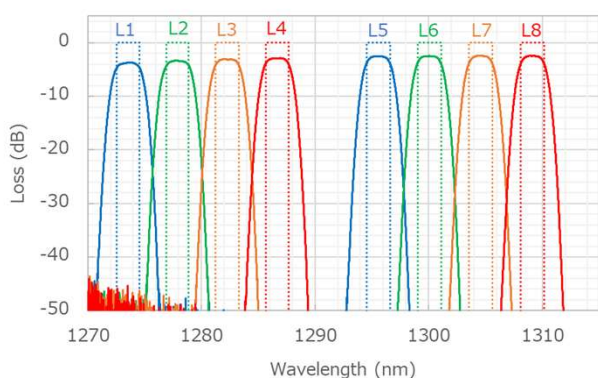


# WLTF-FL

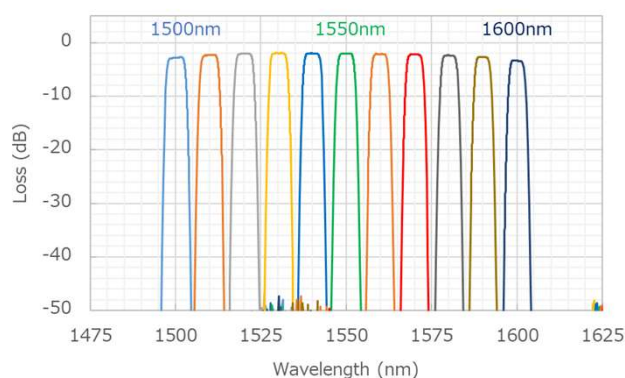
- Wavelength Tunable Filter with Power Adjustment Function -



## Typical Performance



WLTF-FL1310-100-FT2.5, tuned to LR8 lanes



WLTF-FL1550-100-FT5.0, tunable from 1500 to 1600 nm

## Features

- ❑ Continuously tunable with 100-nm tuning range between 1260-1650nm
- ❑ Flat-top transmission spectrum
- ❑ Transmission bandwidth selectable (Standard: 2.0 ~ 20 nm, Optional: 1.0 ~ 2.0 nm)
- ❑ High out-of-band suppression ( $\geq 40$  dB)
- ❑ Built-in attenuator and power monitor for output power adjustment
- ❑ (Optional) Gaussian transmission spectrum with narrow passband (0.1 ~ 1.0 nm)

## Applications

- ❑ Extracting single channel from WDM signal
- ❑ ASE filtering
- ❑ Telecom Test & Measurement (both for R&D and mass production)
- ❑ General non-telecom purposes

## Product Specifications

Parameter		Standard Specification
Product Number		WLTF-FL <b>WWW</b> - <b>XXX</b> - <b>YYZZ.Z</b>
Wavelength Filter	Center Wavelength(CWL)	<b>WWW</b> : 1310 - 1600 nm
	Tuning Range	<b>XXX</b> : 100 nm (currently fixed)
	Tuning Resolution	0.01 nm
	Filter shape	<b>YY</b> : FT (Flat-Top)
	FWHM	<b>ZZ.Z</b> : 2.0 - 20.0 nm @ CWL
	Out-Band Suppression	≥ 40dB (Transmission peak to average of background)
	Roll-Off	22 dB/nm (typ.) (-3dB to -33dB level)
Built-in OATT (Optical ATTenuator)	Variable Range	0 to 30 dB (typ.)
	Variable Resolution	0.1 dB
	Accuracy	± 0.5 dB (typ.)
Built-in OPM (Optical Power Monitor)	Monitor Range	+27 to -50 dBm
	Monitor Resolution	0.001 dB
	Accuracy	± 0.5 dB (typ.)
System Insertion Loss (at CWL)		≤ 3dB (typ.)
Return Loss at Optical Port		≥ 45dB
PDL (at Center Wavelength)		0.15 dB (typ.)
Maximum Input Power		300 mW
Input & Output Fibers		SMF (Corning SMF28e)
Connectors		FC/PC

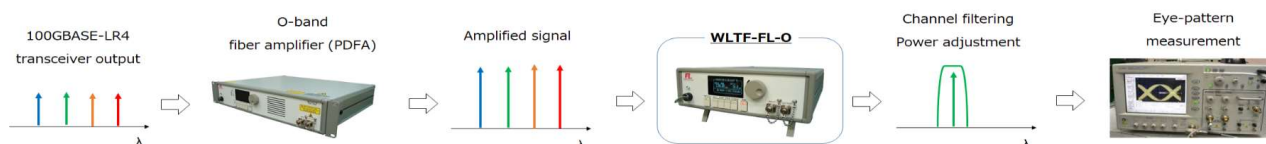
## Common Standard Specifications

Parameter	Specification
Remote Interface	RS232C / IEEE488.1 (GP-IB)
Power Supply	AC100 to 240 V (50/60 Hz)
Power Consumption	≤ 6 W (5.5 W typ.)
Dimension (H×W×D)	88 × 260 × 350 mm (* not including protrusions)
Weight	≤ 5 kg
Temperature	Operation : 0 to 40 °C / Storage : -10 to 60 °C

## Options

No.	Descriptions	No.	Descriptions
012	FC / Angled-PC Connector	081	Remove OATT & OPM function
013	SC / PC Connector	082	Narrow bandwidth (0.1 - 1.0 nm, Gaussian)
014	SC / Angled-PC Connector	083	Narrow bandwidth (1.0 - 2.0 nm, Flat-top)
019	Other Customized Connectors		
		121	Rackmount brackets (Size: 88(H)×430(W)×350(D) mm)

## Typical Application



## Ordering Information

**WLTF-FL****WWW**-**XXX**-**YYZZ.Z**

**Center Wavelength**

**Tuning Range**

**Filter Shape**

**FWHM**

e.g. WLTF-FL1300-100-FT2.5, WLTF-FL1550-100-FT1.5 (Opt. 083), WLTF-FL1600-100-G0.5 (Opt. 082)

※ All functions, specifications and appearance are subject to change without notice.



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