

## C+L Band Tunable F-P Sweep Filter

### FEATURES

- Low Insertion Loss
- Variable FSR
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

### APPLICATIONS

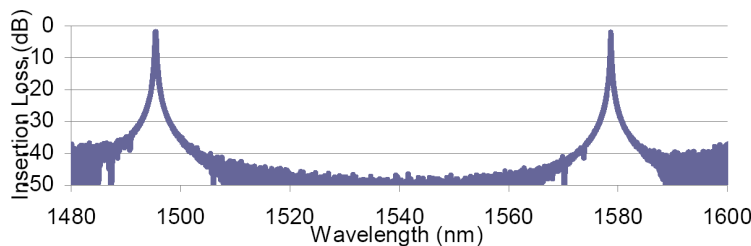
- Fiber Sensing Systems
- FBG Systems
- Dynamic Optical System
- Testing Instruments
- Lab

### SPECIFICATIONS

Parameters	Unit	Value
Wavelength Range $\lambda$	nm	1500-1600
Max. Pass bandwidth@-3dB	nm	0.25
FSR	nm	20~80
Finesse	-	250
Max. Tuning Frequency	kHz	1
Peak Insertion Loss	dB	3
Max. PDL @ Peak transmission Wavelength	dB	0.3
Optical Return Loss	dB	$\geq 45$
Fiber Type	-	SMF-28 Fiber
Fiber Tensile Load	N	5
Maximum Optical Power (CW)	mW	100
Tuning Voltage/FSR	V	25
Operating Temperature	$^{\circ}\text{C}$	0~70
Storage Temperature	$^{\circ}\text{C}$	-40~85
Package Dimension	mm	50(L)x18(W)x15(H)

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
  2. To add connectors, IL is 0.3dB higher, RL is 5dB lower.
  3. Devices for higher optical power or with other type fiber or consigned fiber are also available.

### TYPICAL SPECTRUM



### ORDERING INFORMATION (PN)

<b>UFPF-</b>	<b>NNNN</b>	-	<b>NN</b>	-	<b>C</b>		<b>NN</b>	-	<b>CC/CCC</b>
	<i>Wavelength</i>		<i>FSR</i>		<i>Fiber Sleeve</i>		<i>Fiber Length</i>		<i>Connector Type</i>
	1550=1500-1600nm		20=20nm 30=30nm 80=80nm		B= 250um Bare Fiber L= 900um Loose Tube		05=0.5m 10=1.0m 15=1.5m 20=2.0m		N=Without Connector FC/APC=FC/APC Connector LC/PC=LC/PC Connector SC/APC=SC/APC Connector