

# BAND PASS BASE STATION FILTERS

## 136 - 960 MHz

**FBP Series**

### Product Features

Fiplex FBP Series are versatile single, dual or triple cavities bandpass filters.

They are intended to “clean” the received signal from a congested environment.

Also, the sharp filtering response make them adequate to reduce the emission of intermodulation products from transmitters.

TEM coaxial resonant cavities are square 8" x 8". Models ending in “/3” use 3/4 wavelength coaxial resonators in order to improve the Q factor of the cavity.

Cavity outer conductors are made of 6063-T6 aluminium, passivated to avoid corrosion.

Copper inner lines are silver plated in order to get a long life performance.

Thermal stability is obtained by using INVAR rods to control the tuning of the cavities.

Standard connectors are N female.

For other specified, please contact the factory or sales offices.



Specifications	FBP15-1N	FBP15-2N
Frequency range	136 - 174 MHz	136 - 174 MHz
Continuous Power Input, Max.	250W	250W
Number of cavities	1	2
Cavity, square	8 x 8 inches • 203.2 x 203.2 mm	8 x 8 inches • 203.2 x 203.2 mm
Insertion loss at fo-dB	0.5 min	1.0 min
RL - dB	22	22
Connectors, Standard type	N(f)	N(f)
Temperature range	-22° to 140° F • -30° to +60° C	-22° to 140° F • -30° to +60° C
Dimensions	36 x 19 x 8.75 inches • 915 x 483 x 222.25 mm	36 x 19 x 8.75 inches • 915 x 483 x 222.25 mm
Weight	15.4 lbs • 7.5 kg	24.2 lbs • 11 kg

Specifications	FBP15-3N	FBP45-1N
Frequency range	136 - 174 MHz	400 - 520 MHz
Continuous Power Input, Max.	250W	250W
Number of cavities	3	1
Cavity, square	8 x 8 inches • 203.2 x 203.2 mm	8 x 8 inches • 203.2 x 203.2 mm
Insertion loss at fo-dB	1.4 min	0.5 min
RL - dB	22	22
Connectors, Standard type	N(f)	N(f)
Temperature range	-22° to 140° F • -30° to +60° C	-22° to 140° F • -30° to +60° C
Dimensions	36 x 19 x 17.5 inches • 915 x 483 x 444.5 mm	16 x 19 x 8.75 inches • 406 x 483 x 222.25 mm
Weight	37.5 lbs • 17 kg	13.2 lbs • 6 kg

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# BAND PASS BASE STATION FILTERS

## 136 - 960 MHz

FBP Series

Specifications	FBP45-2N
Frequency range	400 - 520 MHz
Continuous Power Input, Max.	250W
Number of cavities	2
Cavity, square	8 x 8 inches • 203.2 x 203.2 mm
Insertion loss at fo-dB	1.0 min
RL - dB	22
Connectors, Standard type	N(f)
Temperature range	-22° to 140° F • -30° to +60° C
Dimensions	36 x 19 x 8.75 inches • 915 x 483 x 222.25 mm
Weight	18.8 lbs • 8.5 kg

Specifications	FBP90-1/3N
Frequency range	800 - 960 MHz
Continuous Power Input, Max.	250W
Number of cavities	1
Cavity, square	8 x 8 inches • 203.2 x 203.2 mm
Insertion loss at fo-dB	0.5 min
RL - dB	22
Connectors, Standard type	N(f)
Temperature range	-22° to 140° F • -30° to +60° C
Dimensions	36 x 19 x 8.75 inches • 915 x 483 x 222.25 mm
Weight	13.2 lbs • 6 kg