

# BAND PASS - BAND REJECT BASE STATION FILTERS

## 136 - 520 MHz

FVN Series

### Product Features

- Versatile single or dual cavities band pass - band reject filters.
- Intended to “protect” the received signal from a jamming carrier.
- The filtering response make them adequate to reduce the noise emission at some specific lateral and narrow bandwidth.
- TEM coaxial resonant cavities are 4” O.D. (“L” type).
- 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.
- Standard connectors are N female.



Specifications	FVN15-1L	FVN15-2L
Frequency Range	136 - 174 MHz	136 - 174 MHz
Continuous Power Input, Max	250 W	250 W
Cavity O.D.	4 inches	4 inches
Separation Pass-Reject	0.6MHz 1.5MHz	0.6MHz 1.5MHz
Insertion Loss at fo -dB	1.5dB 1.2dB	1.5dB 1.2dB
Rejection (undesired frequency)	25dB 38dB	70dB 85dB
RL	22dB	22dB
Connectors, Standard Type	N(f)	N(f)
Connectors, Optional	BNC(f); UHF(f)	BNC(f); UHF(f)
Temperature range	-22° to 140° F • -30° to +60° C	-22° to 140° F • -30° to +60° C
Dimension	36 x 19 x 5 inches • 915 x 483 x 127 mm	36 x 19 x 5 inches • 915 x 483 x 127 mm
Weight	9.5 lbs • 4.2 kg	11.5 lbs • 5.2 kg

Specifications	FVN45-1L	FVN45-2L
Frequency Range	400 - 520 MHz	400 - 520 MHz
Continuous Power Input, Max	250 W	250 W
Cavity O.D.	4 inches	4 inches
Separation Pass-Reject	3.0MHz 5.0MHz	3.0MHz 5.0MHz
Insertion Loss at fo -dB	0.9dB 0.9dB	0.9dB 0.9dB
Rejection (undesired frequency)	25dB 38dB	80dB 90dB
RL	22dB	22dB
Connectors, Standard Type	N(f)	N(f)
Connectors, Optional	BNC(f); UHF(f)	BNC(f); UHF(f)
Temperature range	-22° to 140° F • -30° to +60° C	-22° to 140° F • -30° to +60° C
Dimension	16 x 19 x 5 inches • 406 x 483 x 127 mm	16 x 19 x 5 inches • 406 x 483 x 127 mm
Weight	5.2 lbs • 2.3 kg	6.2 lbs • 2.8 kg

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