



Aluminium Cavities

Silver Plated Connectors

19" Rack Mounting Option Available

Mavitek MVK series bandpass/bandreject cavity filters in 200mm (8") diameter are designed and produced to meet high selectivity specifications.

MVK series filters are made from high quality aluminum using robotic welding. They can be painted to the color of choice of the customer.

Connectors used on the filters are silver-plated and PTFE insulated with high durability against temperature changes. Different connector options are available at the request of the customer.

With high "Q" values the filters achieve maximum isolation and superior performance even with 250kHz Rx/Tx frequency shift.



Notes: 1. All tests are performed at +25°C.
2. VHF 200mm BPBR 1 Cavity @ 0.5dB Insertion Loss

Electrical Specifications

Tuning Range	136-174MHz
Maximum Input Power	300 Watts (0.5dB insertion loss) 250 Watts (1.0dB insertion loss) 150 Watts (2.0dB insertion loss)
Insertion Loss	Minimum: 0.4dB Maximum: More than 6dB
Frequency Stability	1.5ppm / °C
Number of Cavities	1
VSWR (max.)	1.5:1 or less
Impedance	50Ω Nominal

Mechanical Specifications

Operating Temperature Range	-30° to +60°C
Connectors	N-Type Female Other options available
Color / Paint	Anthracite / Glossy Enamel
Weight (approx.)	4.40kg / 9.7lbs
Dimensions (Radius x Height)	200 x 750mm / 8" x 29.5" in
Material	Aluminium
Mounting	Mounting holes with M5 screws for horizontal rack mounting. Optional 19" Rack tray is available.
Order Designations	136-174MHz: MVK1155PR8

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