

144 -174 MHz

## HORWIN DF-V6-5

HORWIN DF-V6-5 - is a bandpass/reject type VHF duplex filter based on six quarter-wave 5 inches width square cavities. Duplexer allows the simultaneous operation of the transmitter and receiver into a single antenna. Using large 5" cavities provides very high (quality), resulting in very close frequency spacing and low insertion losses.

The cavity design provides excellent frequency stability in a temperature range from – 30 to + 60°C. Each filter is individually made and tuned, so receive and transmit frequencies should be specified when ordering.



DF-V6-5

|  | DF-V6-5     |
|--|-------------|
| Cavity size                                    | 1/4λ, 5"    |
| Frequency range, MHz                           | 144 – 174   |
| Min. duplex frequency spacing, kHz             | 400         |
| Max. continuous power input, W                 | 150         |
| Insertion loss, db                             | < 2         |
| Tx noise suppression on Rx frequency, dB       | > 85        |
| Rx isolation on Tx frequency, dB               | > 80        |
| Nominal impedance, Ohm                         | 50          |
| VSWR   | < 1.5       |
| Temperature range, °C                          | -30 ... +60 |
| Dimensions (H x W x D), mm (with rod extended) | 880x390x260 |
| Weight, kg                                     | 13.5        |

