

# DC-2-150

## VHF 150 MHz Cavity Duplex Filter

- High Power Cavity Duplex Filter
- For use in repeaters, full duplex radios and base stations.
- Four or six Cavities - 150 mm (5 ") Cavity size.
- High Q - Small Duplex Spacing
- Easy tuning.

## ELECTRICAL SPECIFICATIONS

|                           |   |
|---------------------------|---|
| Type                      | VHF - Cavity Duplex Filter  |
| Model                     | DC-2AQ - 4 Cavities<br>DC-2AQS - 6 Cavities                                 |
| Frequency                 | 136 - 174 MHz   |
| Spacing                   | DC-2AQ: > 0.8 MHz<br>DC-2AQS: > 0.5 MHz                                     |
| Insertion loss            | DC-2AQ: < 1.5 dB<br>DC-2AQS: < 2.0 dB                                       |
| Isolation<br>(Suppresion) | DC-2AQ: Single channel $\geq$ 70 dB<br>DC-2AQS: Single channel $\geq$ 80 dB |
| VSWR                      | $\leq$ 1:1.5  |
| Impedance                 | 50 Ohm  |
| Maximum Input<br>Power    | 150 Watts   |
| Frequency Stability       | 0.9 ppm/°C (approx.)  |



## Datasheet

2 / 2

## MECHANICAL SPECIFICATIONS

|                       |   |
|-----------------------|---|
| Color                 | Black Grey (RAL7021)                                      |
| Dimension             | DC-2AQ: 620 x 150 x 150 mm<br>DC-2AQS: 620 x 300 x 300 mm |
| Weight                | DC-2AQ: 16.8 kg<br>DC-2AQS: 25.2 kg                       |
| Operating Temperature | -30°C to +60°C  |
| Connector             | Type N-female   |
| Serial no.            | On product label  |

## ORDERING INFORMATION

|         |                                      |
|---------|--------------------------------------|
| DC-2AQ  | Four Cavities<br>Not tuned<br>In Box |
| DC-2AQS | Six Cavities<br>Not tuned<br>In Box  |

