

## Datasheet

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# DC-70-150

## UHF 450 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	UHF - Cavity Duplex Filter
Model	DC-70AQ - Four Cavities DC-70AQS - Six Cavities
Frequency	380-512 MHz
Spacing	DC-70AQ: > 1.0 MHz DC-70AQS: > 0.8 MHz
Insertion loss	DC-70AQ: < 1.5 dB DC-70AQS: < 2.0 dB
Isolation (Suppresion)	DC-70AQ: Single channel $\geq$ 70dB DC-70AQS: Single channel $\geq$ 80 dB
VSWR	$\leq$ 1:1.5
Impedance	50 Ohm
Maximum Input Power	150 Watts
Frequency Stability	0.9 ppm/°C (approx.)

## MECHANICAL SPECIFICATIONS

Color	Black Grey (RAL7021)
Dimension	DC-70AQ: 400 x 300 x 300 mm DC-70AQS: 400 x 450 x 300 mm
Weight	DC-70AQ: 10.0 kg DC-70AQS: 15.0 kg
Operating Temperature	-30°C to +60°C
Connector	Type N-female
Serial no.	On product label

ORDERING INFORMATION

DC-70AQ	Four Cavities - Not tuned In Box
DC-70AQS	Six Cavities - Not tuned In Box

