

## Datasheet

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## DU-46

## 6-Cavity 50 Watts VHF Low 80 MHz Duplex Filter

- For use in repeaters and full duplex radios.
- Steel chassis with aluminium extruded cavities.
- High Q helical silver plated resonators.
- Easy tuning.
- Option for Rack Mount.

## ELECTRICAL SPECIFICATIONS

Type	VHF - 6 Cavity Duplex Filter
Frequency	L: 66 - 77MHz H: 77 - 88 MHz
Spacing	2.3 MHz 5.0 MHz 10 MHz
Insertion loss	2.3 MHz: ≤1.5 dB 5.0 MHz: ≤1.0 dB 10 MHz: ≤0.6 dB
Isolation (Suppresion)	2.3 MHz: ≥ 70 dB 5.0 MHz: ≥ 80 dB 10 MHz: ≥ 80 dB
VSWR	≤1:1.5
Impedance	50 Ohm
Maximum Input Power	50 Watts
Frequency Stability	9 ppm/°C (approx.)

## MECHANICAL SPECIFICATIONS

Color	Black Grey (RAL7021)
Dimension	270 x 156 x 33 mm
Weight	1.4 kg
Operating Temperature	-30°C to +60°C
Connector	Type N-female (other optional)
Serial no.	On product label

## ORDERING INFORMATION

DU-461-L	L: 66 - 77 MHz, 2.3 MHz Not tuned
DU-462-L	L: 66 - 77 MHz, 5 MHz Not tuned
DU-460-L	L: 66 - 77 MHz, 10 MHz Not tuned
DU-461-H	H: 77 - 88 MHz, 2.3 MHz Not tuned
DU-462-H	H: 77 - 88 MHz, 5 MHz Not tuned
DU-460-H	H: 77 - 88 MHz, 10 MHz Not tuned