

Datasheet

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DU-706

6-Cavity 50 Watts UHF 450 MHz Duplex Filter

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



ELECTRICAL SPECIFICATIONS

Type	UHF - 6 Cavity Duplex Filter
Frequency	L: 400 - 440 MHz H: 440 - 475 MHz HH: 475 - 512 MHz
Spacing	5-8 MHz 8-13 MHz
Insertion loss	5-8 MHz: ≤ 1.5 8-13 MHz: ≤ 1.2 Multi Channel: ≤ 1.5 dB
Isolation - Single Channel	≥ 80 dB
Isolation - Multi Channel	5-8 MHz: ≥ 65 dB @ BW = 1.0 MHz 8-13 MHz: ≥ 65 dB @ BW = 2.0 MHz
VSWR	$\leq 1:1.5$
Impedance	50 Ohm
Maximum Input Power	50 Watts
Frequency Stability	9 ppm/°C (approx.)

MECHANICAL SPECIFICATIONS

Color	Black Grey (RAL7021)
Dimension	240 x 156 x 33 mm
Weight	1.0 kg
Operating Temperature	-30°C to +60°C
Connector	Type N-female (other optional)
Serial no.	On product label

ORDERING INFORMATION

DU-7062-L	L: 400 - 440 MHz, 8 -13 MHz Not tuned
DU-7065-L	L: 400 - 440 MHz, 5-8 MHz Not tuned
DU-7062-H	H: 440- 475 MHz, 8-13 MHz Not tuned
DU-7065-H	H: 440- 475 MHz, 5-8 MHz Not tuned
DU-7065-HH	HH: 475- 512 MHz, 5-8 MHz Not tuned
DU-7062-HH	H: 475- 512 MHz, 8-13 MHz Not tuned