

## Datasheet

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## DU-26

## 6-Cavity 50 Watts VHF 150 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	LL: 134 - 150 MHz L: 144 - 160 MHz H: 160 - 174 MHz HH: 170 - 190 MHz
Spacing	2.3 MHz 3.0 MHz 4-7 MHz 8-12 MHz
Insertion loss	2.3 MHz: $\leq 1.5$ dB 3.0 MHz: $\leq 1.4$ dB 4-7 MHz: $\leq 1.2$ dB 8-12 MHz: $\leq 1.0$ dB Multi Channel: $\leq 1.2$ dB
Isolation - Single Channel	2.3 MHz: $\geq 67$ dB 3.0 MHz: $\geq 70$ dB 4-7 MHz: $\geq 80$ dB 8-12 MHz: $\geq 80$ dB
Isolation - Multi Channel	4-7 MHz: $\geq 60$ dB @ BW = 1.5 MHz 8-12 MHz: $\geq 60$ dB @ BW = 2.0 MHz
VSWR	$\leq 1:1.5$
Impedance	50 Ohm
Maximum Input Power	50 Watts
Frequency Stability	9 ppm/°C (approx.)

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## MECHANICAL SPECIFICATIONS

Color	Black Grey (RAL7021)
Dimension	211 x 156 x 33 mm
Weight	0.9 kg
Operating Temperature	-30°C to +60°C
Connector	Type N-female (other optional)
Serial no.	On product label

## ORDERING INFORMATION

DU-261	LL: 134 - 150MHz, 2.3 MHz Not tuned
DU-262-LL	LL: 134 - 150 MHz, 4-7 MHz Not tuned
DU-267-L	L: 144 - 160 MHz, 3 MHz Not tuned
DU-262-L	L: 144 - 160 MHz, 4-7 MHz Not tuned
DU-260-L	L: 144 - 160 MHz, 8-12 MHz Not tuned
DU-262-M	M: 152- 172 MHz, 4-7 MHz Not tuned
DU-260-M	M: 152- 172 MHz, 8-12 MHz Not tuned
DU-267-H	H: 155- 174 MHz, 3 MHz Not tuned
DU-262-H	H: 155- 174 MHz, 4-7 MHz Not tuned
DU-260-H	H: 155- 174 MHz, 8-12 MHz Not tuned
DU-262-HH	HH: 170- 190 MHz, 4-7 MHz Not tuned