

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: ≤1.5 dB 3.0 MHz: ≤1.4 dB 4-7 MHz: ≤1.2 dB 8-12 MHz: ≤1.0 dB Multi Channel: ≤1.2 dB |
| Isolation - Single Channel | 2.3 MHz: ≥ 67 dB 3.0 MHz: ≥ 70 dB 4-7 MHz: ≥ 80 dB 8-12 MHz: ≥ 80 dB |
| Isolation - Multi Channel | 4-7 MHz: ≥ 60 dB @ BW = 1.5 MHz 8-12 MHz: ≥ 60 dB @ BW = 2.0 MHz |
| VSWR | ≤ 1:1.5 |
| Impedance | 50 Ohm |
| Maximum Input Power | 50 Watts |
| Frequency Stability | 9 ppm/°C (approx.) |



Datasheet

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

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|-----------|---|
| 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 |