

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

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