

DATASHEET

SKU: 173109

Benelec UHF Mobile 50w Duplexer 400-530MHz – 5MHz Split



Benelec 173109 Duplexer provides the means for simultaneous operation of a mobile relay or repeater station having separate TX and RX frequencies when using a common antenna.

The benefits of this include: Saving one antenna and one transmission line, compared with using separate transmit and receive antennas for a repeater, maintaining reciprocal receiving and transmitting signal path characteristics compared with separate TX and RX antennas, and providing sufficient filtering to prevent both transmitter carrier power and wide band noise from desensitising the associated receiver.

SPECIFICATIONS

| | | | |
|---------------------------|----------------|---------------------|---------------------|
| Frequency Band: | 400 - 530 MHz | Suppression: | ≥ 75 dB |
| Max Power Input: | 50W | Isolation: | ≥ 75 dB |
| Bandwidth: | ± 200 kHz | Dimension: | 240 x 31.5 x 158 mm |
| Frequency Spacing: | 5 MHz | Termination: | N Type Female |
| Insertion Loss: | ≤ 1.0 dB | Finish: | Black |
| Impedance: | 50 Ω (Nominal) | Weight: | 1.05kg |
| VSWR: | ≤ 1.5 | | |

OPTIONAL TUNING

Ask us about tuning your Tx/Rx pair for you & labelling accordingly.

PACKAGING

Cardboard box, 1 Duplexer per Box; **G.W.** 1.1kg

WARRANTY

12 months (Please refer to [Benelec Terms & Conditions](#))

Website: benelec.au