

LOW BAND COMPACT BASE STATION DUPLEXER FOR D.O.T. APPLICATIONS

DHV 0544 DOT V2

Product Features

- Broadband design. This unit is factory tuned to cover the full D.O.T. frequency range: 45.120 - 45.600MHz at low pass, and 47.040 - 47.360MHz at high pass.
- High power handling capability.
- Small size, specially if compared with traditional quarter wavelength coaxial cavity resonators duplexers.



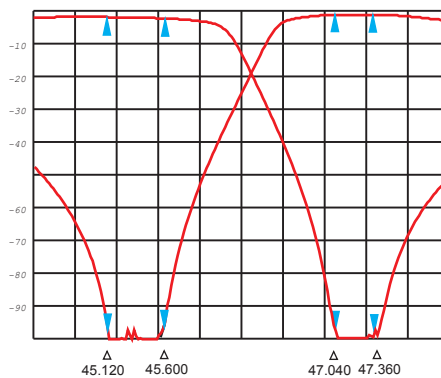
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Electrical Specification

	Value
Frequency Range, Low Pass - MHz	45.120 – 45.600
Frequency Range, High Pass - MHz	47.040 – 47.360
Tx–Rx Separation,- MHz	1.84
Tx Band Width – MHz	0.320
Rx Band Width – MHz	0.480
Continuous Power Input, Max- W.	150
Insertion Loss Tx - Antenna - dB	1.5 max @ 1.84 MHz split
Insertion Loss Antenna - Rx - dB	1.5 max @ 1.84 MHz split
Tx Noise Rejection at Rx band. - dB	70 min @ 1.84 MHz split
Tx Carrier Rejection at Rx port. - dB	70 min @ 1.84 MHz split
RL - dB	22 min
Connectors, Standard Type	N(f)
Connectors, Optional	TNC(f) / BNC(f) / UHF(f)
Temperature range	-22 to 140 °F • - 30 to + 60 ° C

Mechanical Specification

	Value
Dimension	2 x 12 x 14 in • 50.8 x 304.8 x 355.6 mm
Weight	15.0 lbs • 6.8 kg



TYPICAL RESPONSE CURVES • 1.84 MHz split

DOCTW021.03 • 14052012
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