

# LOW BAND COMPACT BASE STATION DUPLEXER 25 - 55 MHz

**DHV0544**

## Product Features

- Allows close spaced transmit - to - receive frequency operation
- Long term performance stability ensured
- Supplied with brackets for installation on a flat chassis



## Applications

- Designed for low band (25-55 MHz)

Electrical Specification	DHV 0544-1	DHV 0544-2	DHV 0544-3	DHV 0544-4
Frequency Range, Low Pass - MHz	25 - 30	30 - 40	40 - 50	50 - 55
Frequency Range, High Pass - MHz	25 - 30	30 - 40	40 - 50	50 - 55
Tx - Rx Separation, min - MHz	1,0	1,0	1,0	1,0
Tx - Rx Separation, typ - MHz	3,0	3,0	3,0	3,0
Tx Band Width - MHz	0.050	0.050	0.050	0.050
Rx Band Width - MHz	0.050	0.050	0.050	0.050
Continuous Power Input, Max - W	150	150	150	150
Insertion Loss Tx - Antenna - dB	1,5 max @ 1,00 MHz split 1,3 max @ 3,00 MHz split	1,5 max @ 1,00 MHz split 1,3 max @ 3,00 MHz split	1,5 max @ 1,00 MHz split 1,3 max @ 3,00 MHz split	1,5 max @ 1,00 MHz split 1,3 max @ 3,00 MHz split
Insertion Loss Antenna - Rx - dB	1,5 max @ 1,00 MHz split 1,3 max @ 3,00 MHz split	1,5 max @ 1,00 MHz split 1,3 max @ 3,00 MHz split	1,5 max @ 1,00 MHz split 1,3 max @ 3,00 MHz split	1,5 max @ 1,00 MHz split 1,3 max @ 3,00 MHz split
Tx Noise Rejection at Rx band - dB	80 min @ 1,00 MHz split 90 min @ 3,00 MHz split	80 min @ 1,00 MHz split 90 min @ 3,00 MHz split	80 min @ 1,00 MHz split 90 min @ 3,00 MHz split	80 min @ 1,00 MHz split 90 min @ 3,00 MHz split
Tx Carrier Rejection at Rx port - dB	80 min @ 1,00 MHz split 90 min @ 3,00 MHz split	80 min @ 1,00 MHz split 90 min @ 3,00 MHz split	80 min @ 1,00 MHz split 90 min @ 3,00 MHz split	80 min @ 1,00 MHz split 90 min @ 3,00 MHz split
RL - dB	20 min	20 min	20 min	20 min
Connectors N (f)	N (f)	N (f)	N (f)	N (f)
Temperature Range	-22 to + 140 °F - 30 to + 60 °C	-22 to + 140 °F - 30 to + 60 °C	-22 to + 140 °F - 30 to + 60 °C	-22 to + 140 °F - 30 to + 60 °C

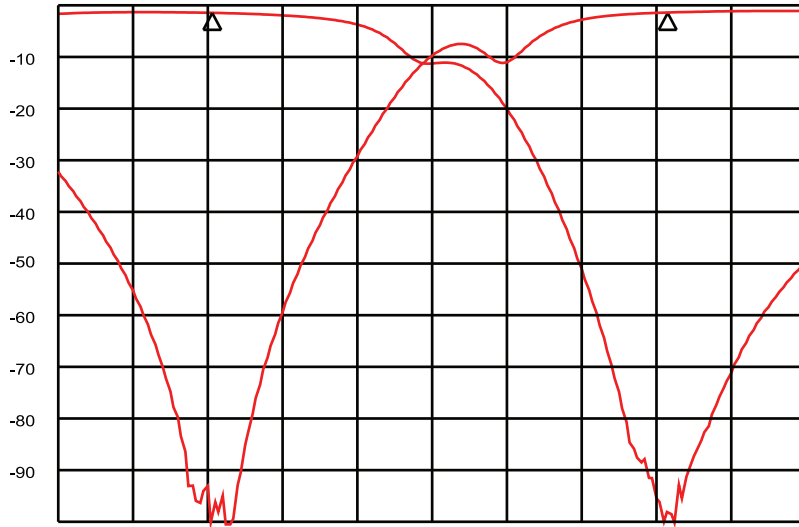
Mechanical Specification	DHV 0544-1	DHV 0544-2	DHV 0544-3	DHV 0544-4
Dimension	50.8 x 483.0 x 355.6 mm 2 x 19 x 14 in	50.8 x 483.0 x 355.6 mm 2 x 19 x 14 in	50.8 x 483.0 x 355.6 mm 2 x 19 x 14 in	50.8 x 483.0 x 355.6 mm 2 x 19 x 14 in
Weight	22.0 lbs • 10.0 Kg	22.0 lbs • 10.0 Kg	22.0 lbs • 10.0 Kg	22.0 lbs • 10.0 Kg

## NOTES:

1. Splits indicated above, are for standard models. If different split is required, please contact Sales Department.
2. Exact frequencies are required when ordering.

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Typical response curves • 1.5 MHz split