

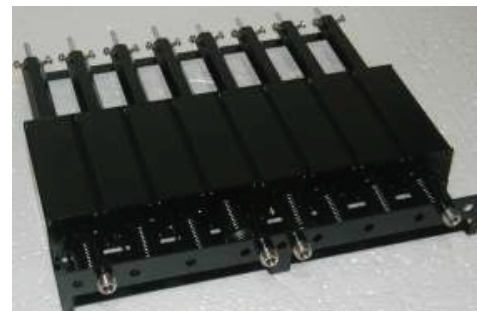
LOW BAND COMPACT BASE STATION DUPLEXER

TWO ANTENNAS PORTS • 25 - 55 MHz

DHV0544

Product Features

- Designed for low band applications
- Eight high Q cavities
- Long term performance stability ensured
- Supplied with brackets for installation on a flat chassis.



DHV 0544-2-PE

Electrical Specifications	DHV 0544-1-PE	DHV 0544-2-PE	DHV 0544-3-PE	DHV 0544-4-PE
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
Number of antenna ports	2, one for LP and one for HP	2, one for LP and one for HP	2, one for LP and one for HP	2, one for LP and one for HP
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
TxNoise 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
TxCARRIER 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)
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

Technical Specifications	DHV 0544-1-PE	DHV 0544-2-PE	DHV 0544-3-PE	DHV 0544-4-PE
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 5 2 x 19 x 14 in	0.8 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:

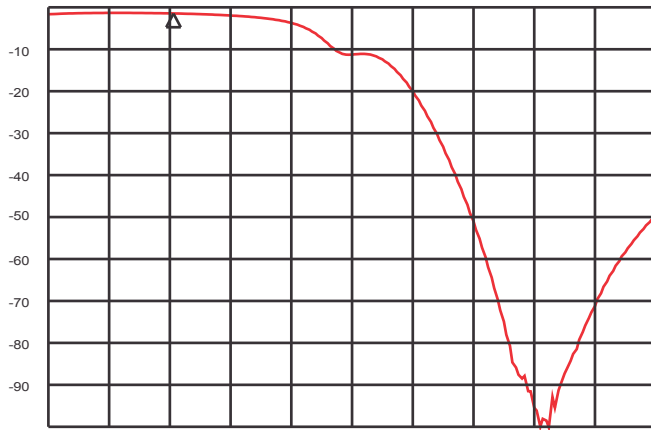
1. Splits indicated above, are for standard models. If different split is required, please contact Sales Department.
2. Exact frequencies are required when ordering

DOCTW033.01 • 07052012
Fiplex is a registered trademark of Fiplex Communications, Inc. Fiplex Communications, Inc. reserves the right to change specifications without prior notice.

LOW BAND COMPACT BASE STATION DUPLEXER TWO ANTENNAS PORTS • 25 - 55 MHz

DHV0544

DHV 0544-2-PE - LOW PASS SECTION
TYPICAL RESPONSE CURVES • 1.5 MHz split



DHV 0544-2-PE - HIGH PASS SECTION
TYPICAL RESPONSE CURVES • 1.5 MHz split

