

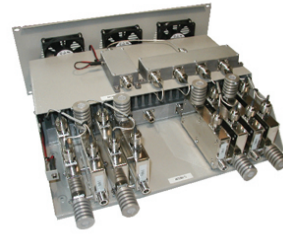
UHF CONTROL STATION COMBINERS

330 - 520 MHz

THWS45 Series

Product Features

- Broadband devices intended to combine several single antenna port radios into a single Tx and single Rx antennas
- Reduces infrastructure size
- Simplifies cabling installations
- Provides radio to radio isolation
- Reduces maintenance costs



UHF Control Station Combiners
THWS45-4B0-1



Specification

THWS45 Series 330-520 Simplex - Duplex Combiners with Rx LNA

Frequency band	330 to 520 MHz (-O: 330 – 380 MHz) (-A: 380 – 430 MHz) (-B: 430 – 450 MHz) (-C: 450 – 480 MHz) (-D: 480 – 500 MHz) (-E: 500 - 520 MHz)
Number of channels	4, model THWS45-4B0-1-x 8, model THWS45-8B0-1-x 16, model THWS45-16B0-1-x
Antenna ports	One for Tx and one for Rx antennas
Tx Insertion loss	8.0dB for 4 channels 11.5dB for 8 channels 15dB for 16 channels
Rx Gain	6dB for 4 channels 2.5dB for 8 channels 0dB for 16 channels
Min Channel to Channel separation	No limitations
Return loss, min, all ports	15dB
Input power, per port, max	50W
Tx to Tx isolation, min	70dB
Rx to Rx isolation, min	70dB
Tx Antenna to Tx isolation, min	50dB
Connectors inputs	N(f)
Connector outputs	N(f)
Temperature range	14° to 122° F • -10° to +50° C
Mounting	Brackets for 19" rack
Cooling	Fan cooled, forced
DC power input	+13.6VDC
Rack units requirement	2 RU for 4 channels 6 RU for 8 channels 10RU for 16 channels
Height	2RU for 4 channels 6RU for 8 channels 10RU for 16 channels

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Width	19 inches • 482 mm
Depth	13.7 inches • 350 mm

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