

VHF CONTROL STATION COMBINERS

136 - 174 MHz

THWS15 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



VHF Control Station Combiners
THWS15-8B0-1



Specification

THWS15 Series 136-174 Simplex - Duplex Combiners with Rx LNA

Frequency band	136 to 174 MHz
Number of channels	4, model THWS15-4B0-1 8, model THWS15-8B0-1
Antenna ports	One for Tx and one for Rx antennas
Tx Insertion loss	8.0dB for 4 channels 11.5dB for 8 channels
Rx Gain	6dB for 4 channels 2.5dB for 8 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	4 RU for 4 channels 8 RU for 8 channels
Height	4 RU for 4 channels 8 RU for 8 channels
Width	19 inches • 482 mm
Depth	13.7 inches • 350 mm
Weight	35.3 lbs • 16 kg for 4 channels 70.5 lbs • 32 kg for 8 channels