

# COMTELCO

## Technical Specification

A1833 A, B

140-170 /440-470 Hz

HIGH PERFORMANCE DUAL BAND ANTENNA

**High Performance:** This antenna provides 2.5dB gain on VHF and 4dB gain on UHF. It provides 10MHz of bandwidth at both VHF and UHF with less than 2:1 VSWR. It is available in 3 frequency ranges.

**Stylish and Durable:** This antenna is manufactured using the finest corrosion resistant materials and finishes available. The base is triple plated chrome brass with an insert molded low loss coil form and a spring loaded, gold plated contact. The silver plated phasing coil is fully enclosed to insure years of dependable service. It is available in both brite and black finish.

**Weatherproof:** O ring seals and overlap construction keep moisture out of the antenna.

**Standard Mounting:** The 1833 series antennas mate with the standard TAD/NMO type mount, which provides an excellent moisture seal even when the antenna is removed.

### ELECTRICAL SPECIFICATIONS:

**FREQUENCY RANGE:** 140-170MHz  
440-470MHz

**GAIN:** 2.5dB @ 140-170MHz  
4.0dB @ 440-470MHz

**IMPEDANCE:** 50 ohms

**POWER RATING:** 200 watts

**VSWR:** <2.0:1

**RADIATION PATTERN:** Omni directional

### MECHANICAL SPECIFICATIONS:

**RADIATOR:** Stainless steel

**MATCHING COIL:** Silver plated enclosed coil

**BASE:** ABS, chrome plated brass

**CONTACT:** Gold plated spring loaded contact

**LENGTH:** 32"

**MOUNTING:** Standard TAD/NMO type



FREQUENCY	BRITE	BLACK
140-150 / 440-450MHz	A1833A-40	A1833B-40
150-160 / 450-460MHz	A1833A-50	A1833B-50
160-170 / 460-470MHz	A1833A-60	A1833B-60