

# COMTELCO

## Technical Specification

A1813, A1823 A, B

### 132-280 MHz 3dB Gain

### BASE LOADED MOBILE ANTENNA

**Performance:** 3dB gain is achieved with these premium antennas by featuring a 5/8 wave whip with a base loaded matching coil. They have a power handling capacity of 200 watts.

**Stylish and Durable:** These antennas are manufactured using the finest corrosion resistant materials and finishes available. The base is triple plated chrome brass with a large insert molded low loss coil form and a spring loaded, gold plated contact.

**Broadband:** The large diameter coil form used in the construction of the loading coil allows for a wider operational bandwidth and better matching characteristics than competitive models.

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

**Economical:** These base loaded antennas feature a great price to performance ratio.

**Standard Mounting:** All Comtelco base loaded antennas mate with the standard TAD/NMO type mount.

#### ELECTRICAL SPECIFICATIONS:

**FREQUENCY RANGE:** 132-280MHz  
**GAIN:** 3dB  
**BANDWIDTH:** 7MHz  
**IMPEDANCE:** 50 ohms  
**POWER RATING:** 200 watts  
**VSWR:** <1.5:1  
**RADIATION PATTERN:** Omni directional

#### MECHANICAL SPECIFICATIONS:

##### RADIATOR:

**BRITE A:** Tapered stainless whip .125 dia.  
**BLACK B:** Tapered stainless whip .100 dia.

**BASE:** ABS, spring loaded contact

**LENGTH:** 52" Maximum, \*(55" A1813-32)

**MOUNTING:** Standard TAD/NMO type

#### Ordering Information:

FREQUENCY	BRITE	BLACK
132-174MHz	A1813A-32*	
144-174MHz	A1813A-44	A1813B-44
200-250MHz	A1823A-00	A1823B-00
250-280MHz	A1823A-50	A1823B-50

To order with shock spring add suffix S to the part number.

**Example:** A1813AS-44 or A1813BS-44

Cutting chart included for specific frequencies.

