

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)
WEIGHT: < 1 lb.
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.



Vertical Pattern

