

## <u>Technical Specification</u> 132-280 MHz 3dB Gain

# A1813A, A1813B, A1823A, A1823B 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 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	<b>A</b> :	Tapered stainless whip .125 dia.
	BLACK	<b>B</b> :	Tapered stainless whip .100 dia.
BASE:			ABS, spring loaded contact
LENGTH	1:		52" (1.3m) Maximum, *(55" A1813-32)
			(1.3m)
WEIGH1	<b>:</b>		< 1 lb. (453g)
MOUNT	ING:		Standard TAD/NMO type

#### Ordering Information:

FREQUENCY	BRITE	BLACK
132-174MHz	A1813A-32*	A1813B-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

