

## Technical Specification

### 406-512MHz

## A1842A, A1842B, A1842AS, A1842BS

### UHF NO GROUND PLANE ANTENNA

**Performance:** These antennas feature a 1/2 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.

**Dependable:** The large diameter low loss coil form is insert molded and features a spring loaded contact.

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

**Mounting:** These antennas mount on standard Motorola type TAD/NMO type mount.

#### ELECTRICAL SPECIFICATIONS:

**FREQUENCY RANGE:** 406-512MHz  
**BANDWIDTH:** 20MHz  
**GAIN:** Unity, No ground plane  
 2.4dB, With ground plane  
**IMPEDANCE:** 50 ohms  
**POWER RATING:** 200 watts  
**VSWR:** <2.1  
**RADIATION PATTERN:** Omni directional

#### MECHANICAL SPECIFICATIONS:

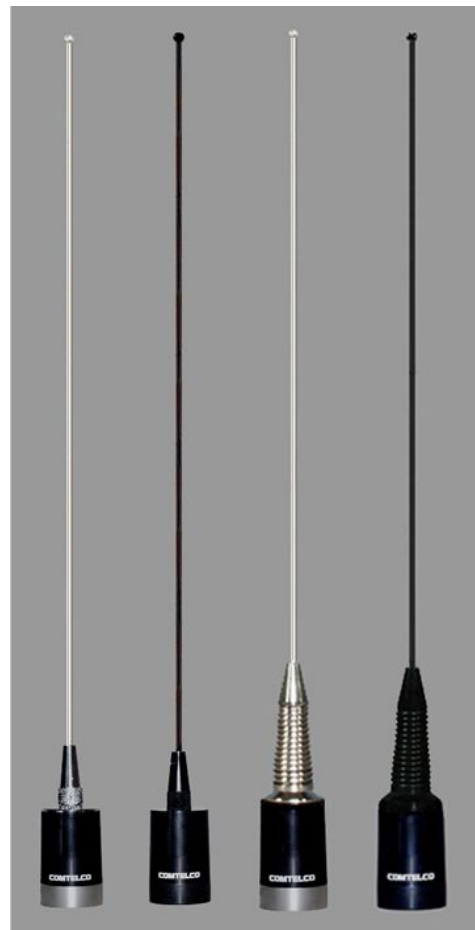
**RADIATOR:** .100 stainless steel whip  
**BASE:** ABS, triple plated chrome  
**CONTACT:** Spring loaded contact  
**LENGTH:** 13.5" max. (34cm)  
**MOUNTING:** Standard TAD/NMO type

#### Ordering Information:

FREQUENCY	BRITE	BLACK
406-430MHz	A1842A-06	A1842B-06
430-450MHz	A1842A-30	A1842B-30
450-470MHz	A1842A-50	A1842B-50
470-490MHz	A1842A-70	A1842B-70
490-512MHz	A1842A-90	A1842B-90

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

**Example:** A1842AS-44 or A1842BS-44



Vertical Pattern No Ground Plane

