

## SPECIFICATIONS

### Mechanical Characteristics

Whip Material:	Stainless Steel, black finish
Whip Length:	14 in. (35.5 cm)
Mount:	Polyurethane molded foot with brass insert and stainless steel hardware
Cable:	15 ft (4.6 m) PRO-FLEX™ PLUS
Connector:	Mini-UHF Male

### Electrical Characteristics

Power:	60 Watts
Gain:	3 dBd (5 dBi)
Frequency Range:	806-869 MHz
Tuning:	None Required
VSWR:	1.5:1 typical, 1.9:1 maximum

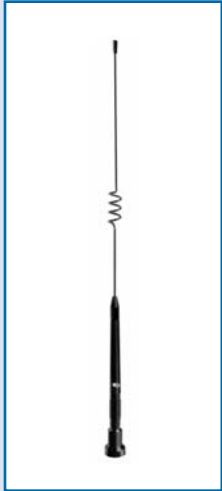


### "ON-GLASS" HIGH POWER WINDOW MOUNT ANTENNA

This window mount antenna has a flexible foot that allows it to adhere to the curved glass surfaces on automobiles. This unique design transmits and receives through the windshield glass with no holes required. Users must mount this antenna high and in the middle on the vehicle's rear windshield for maximum omni-directional patterns.

### "ON-GLASS" HIGH POWER WINDOW MOUNT ANTENNA

OpenSky M-803, V-TAC .....APR852.3M



## ELEVATED-FEED 3 DB GAIN ANTENNAS

These elevated-feed antennas are designed for high performance. They provide omni-directional coverage when off-roof mounting is necessary and a ground plane is not available. With three different mounting options, the ground plane independent design is versatile, allowing installation anywhere on any type of vehicle, including special mounts and temporary fixed applications. All elevated-feed antennas can be specified with a GPS antenna in the mounting base for mobile radios that utilize a GPS receiver.

### ELEVATED-FEED 3 DB GAIN ANTENNAS

OpenSky M-803, V-TAC .....MAMROS0024, MAMROS0026, MAMROS0042, MAMROS0049, MAMROS0069, MAMROS0073, MAMROS0090 (replacement whip only)

## SPECIFICATIONS

### Mechanical Characteristics

Whip Material:	One-piece stainless steel collinear with black finish
Antenna Length:	Approx. 24 in. (61 cm)
Spring Material:	Stainless steel, black finish
Base and Fittings:	Positive male-female contact with stainless steel, plated steel, aluminum or brass parts
Cable:	17 ft (5.2m) PRO-FLEX™ PLUS (where supplied), 16.4 ft (5.0m) RG-174 (GPS)
Connectors:	Mini-UHF Male (whip), SMA Male (GPS)
Mounting Types:	3/4 in. Hole Roof Mount; "Quick-Grip" No Hole Trunk Lid Mount, Mirror Mount

### Electrical Characteristics

#### Antenna Whip

Power:	25 Watts
Gain:	3 dBd (5 dBi)
Frequency Range:	806-869 MHz
Tuning:	None required
VSWR:	1.5:1 typical, 1.9:1 maximum
Impedance:	50 ohm
Pattern:	Omn-directional

#### GPS Antenna (where applicable)

Gain:	27 dB (typical)
Frequency Range:	1575.42 MHz ± 1 MHz
VSWR:	2:1 (maximum)
Impedance:	50 ohm (nominal)
DC Bias:	4.8 to 5.2 VDC
DC Current:	15 mA (maximum)

## SPECIFICATIONS

### Mechanical Characteristics

Whip Material:	Stainless Steel, DURA-CON™ plated or black DURA-COAT™ finish
GPS Radome:	ABS plastic, black
Base and Fittings:	Aluminum, brass, and plated steel
Cable:	17 ft (5.2 m) PRO-FLEX™ PLUS (whip), 16.4 ft (5.0 m) RG-174 (GPS)
Connectors:	Mini-UHF Male (whip), SMA Male (GPS)
Mounting Type:	3/4 in. Hole Roof Mount

### Electrical Specifications

#### Antenna Whip

Power:	25 Watts
Gain:	3 dBd (5 dBi)
Frequency Range:	806-869 MHz
Tuning:	None required
VSWR:	1.5:1
Impedance:	50 ohm
Pattern:	Omni-directional when roof mounted, ground plane required

#### GPS Antenna (where applicable)

Gain:	27 dB (typical)
Frequency Range:	1575.42 MHz ± 1 MHz
VSWR:	2:1 (maximum)
Impedance:	50 ohm (nominal)
DC Bias:	4.8 to 5.2 VDC
DC Current:	15 mA (maximum)



## ROOFTOP MOUNT 3 DB GAIN ANTENNAS

These Rooftop Mount Gain Antennas have a rugged one-piece whip construction. They are noise free, and are constructed with male-female contact to provide positive connection for high reliability for data-intensive applications. The rooftop mount is designed to be mounted on the metal roof of a vehicle, and it has omni-directional gain with a large

broadband, covering the entire specified band without having to re-tune. A magnet mount base is also available for temporary usage applications. The whip can be removed easily for car wash clearance. The roof mount antenna is optionally available with a GPS antenna in the mounting base for mobile radios that utilize a GPS receiver.

### ROOFTOP-MOUNT 3 DB GAIN ANTENNAS

OpenSky M-803, V-TAC ..... MAMROS0031, MAMROS0039



## LOW-PROFILE RUGGED UNITY GAIN SILHOUETTE ANTENNA

This low-profile antenna is ideal for either mobile or fixed applications.

The rugged design, with a high-impact molded ASA radome, assures long, reliable performance, as well as inclement weather protection. It also has a large broadband, covering all trunking frequencies without tuning. This antenna is designed for high performance, and includes a low-loss cable.

### LOW-PROFILE RUGGED UNITY GAIN SILHOUETTE ANTENNA

OpenSky M-803, V-TAC.....MAMROS0096

## SPECIFICATIONS

### Mechanical Characteristics

Antenna Material:	Aluminum and Copperweld™
Radome Material:	White high-impact molded ASA
Dimensions (H x W x D):	3.4 x 3.5 x 8 in. (8.6 x 8.9 x 20.3 cm)
Mounting Hardware:	Supplied with 4 stainless steel truss head slotted bolts (No. 10), and 4 self-tapping sheet metal screws, 1/8 in. (3.2 mm) thick rubber Neoprene mounting pad
Cable:	20 ft (6.1 m) PRO-FLEX™ PLUS with N-connector attached for antenna termination
Connector:	Mini-UHF Male

### Electrical Specifications

Power:	25 Watts (maximum)
Gain:	Unity (2 dBi)
Frequency Range:	806-869 MHz
Tuning:	None required
VSWR:	1.5:1
Impedance:	50 ohm (nominal)
Polarization:	Vertical

## SPECIFICATIONS

### Mechanical Characteristics

Dimensions (H x D):	1.1 x 4.3 in. (2.8 x 10.9 cm)
Radome Material:	White high-impact molded ABS
Mounting:	Acrylic foam adhesive
Cable:	15 ft (4.6 m) RG-58/U (800 MHz), 15 ft (4.6 m) RG-174 (GPS)
Connector:	Mini-UHF Male (800 MHz), SMA Male (GPS)

### Electrical Characteristics

#### 800 MHz Antenna

Power:	125 Watts (maximum)
Gain:	3 dB (5 dBi)
Frequency Range:	806-869 MHz
Tuning:	None required
VSWR:	1.5:1 (typical)
Impedance:	50 ohm (nominal)
Polarization:	Vertical

#### GPS Antenna

Gain:	30 dB (minimum)
Frequency Range:	1575.42 MHz ± 1 MHz
Impedance:	50 ohm (nominal)
DC Bias:	4.8 to 5.2 VDC
DC Current:	25 mA (maximum)



### COMBINATIONAL 800 MHz/GPS 3 dB TRANSIT ANTENNA

This low-profile antenna is a disc-type that has both 800 MHz and GPS antennas built within. With a high-impact molded radome, it is robust enough for all types of environments. Weather sealing

is provided through a strong oil- and gas-resistant adhesive on a flat, ground plane surface. A small hole must be drilled for routing two antenna cables.

### COMBINATIONAL 800 MHz/GPS 3 dB TRANSIT ANTENNA

OpenSky M-803, V-TAC.....MAMROS0097



## QUARTER-WAVE UNITY GAIN ANTENNA

This antenna features a super flexible design that protects the 0.062-inch diameter rod against damage that can be caused by limited vehicle height clearance. No rod cutting is required; the antenna comes ready to install. Also included is a rubber seal gasket to prevent water leakage.

### QUARTER-WAVE UNITY GAIN ANTENNA

OpenSky M-803, V-TAC.....MAMROS0033



## GPS ANTENNA

This is a M/A-COM-designed stand-alone GPS antenna for mobile applications in which Automatic Vehicle Location (AVL) is required. It is an active patch antenna that is fed power through DC coupling onto the antenna cable. The patch element provides for

axial ratio control, polarization purity, and gain in the completed package. Three mounting configurations are included: magnet, mounting bracket with exposed screws, and mounting bracket with hidden screws. This antenna achieves highest performance when mounted directly on a ground plane.

### GPS ANTENNA

OpenSky M-803, V-TAC.....MAMROS0023

## SPECIFICATIONS

### Mechanical Characteristics

Radiator Material:	0.062-in. diameter stainless steel, bright finish
Mount Nut:	Brass; bright chrome finish
Antenna Height:	Approximately 2.9 to 3.2 in.

### Electrical Characteristics

Power:	25 Watts
Frequency Range:	806-869 MHz
Tuning:	None required
VSWR:	1.5:1
Impedance:	50 ohm
Antenna Type:	1/4 wave

## SPECIFICATIONS

### Mechanical Characteristics

Radome Material:	G.E. Lexan, black
Dimensions (H x D):	1.1 x 4.3 in. (2.8 x 10.9 cm)
Mounting:	Magnet, show bracket; no-show bracket
Cable:	20 ft (6.1 m) RG-174
Connector:	SMA Male

### Electrical Characteristics

Gain:	27 dB (typical)
Frequency Range:	1575.42 MHz ± 1 MHz
VSWR:	2:1 (maximum)
Impedance:	50 ohm (nominal)
DC Bias:	4.8 to 5.2 VDC
DC Current:	15 mA (maximum)



## TNC CONNECTOR

This is a crimpable male connector that can be used to interface to full-duplex radio applications requiring a TNC connection. The connector is for all 800 MHz antenna types.

### TNC CONNECTOR

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TNC Connector .....MAMROS0060

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