

400/512 MHz

Mosaic®

5 dB Gain, High Performance Collinear Vehicular Antenna Series

Models

**ASP-7650 • ASP-7650LS • ASP-7654
ASP-7655 • ASP7655LS • ASP-7657**

Modular Design — for stocking flexibility, choose . . .

- Complete antennas for the most popular models
- Conversion antennas with your choice of mount and cable assemblies
- Individual antenna components for unlimited model combinations

Enhanced Performance — all brass inserts eliminate interference caused by dissimilar metals

Long Life — black UV stabilized ABS base resists chalking and provides long lasting operation

Noise Free — unique patented DURA-FLEX® elastomer spring eliminates duplex system noise caused by semi-conductive deposits found in traditional metal coil springs

System Oriented — Motorola NMO-style mount allows for easy replacement or upgrade

Antenna Mounting Options:

ASP-7655LS

Same as ASP-7650LS but for use on existing A/S "low profile" or Motorola mounts. Cable and mount not included. Connector available separately.

ASP-7654

ASP-7650 supplied with magnet mount for easy temporary positioning on metal roof or deck, 12 ft (3.7 m) RG-58A/U cable with PL-259 connector.

ASP-7655

ASP-7650 for use on existing A/S "low profile" or Motorola mount. Cable and mount not included.

ASP-7657

ASP-7650 with 3/8 inch (9.5 mm) hole snap-in mount, 17 ft (5.2 m) RG-58/U cable. Connector available separately.

ASP-7650LS

Complete antenna including: weather-tight base for 3/4 inch (19.1 mm) hole for threaded metal insert, springless whip adapter, 17-7PH satin finish whip, 17 ft (5.2 m) RG58/U cable. Connector available separately.

Electrical

Power	150 watts (maximum)
Gain	5 dB
Frequency Range	406-420 MHz (ASPA prefix) 420-430 MHz (ASPE prefix) 445-470 MHz (ASP- prefix) 470-494 MHz (ASPB prefix) 494-512 MHz (ASPC prefix)
Bandwidth	9 MHz
VSWR	Better than 1.5:1 with a DURA-FLEX spring or better than 2:1 with springless adapter
Impedance	50 ohms nominal

Mechanical

Whip Material	17-7PH stainless steel, 0.12 inch (.31 cm) diameter
Whip Length	34 inches (86 cm) including spring and coil; 35 inches (88.9 cm), maximum, springless
Spring Material	DURA-FLEX elastomer, where furnished
Base Coil	14 AWG copper clad steel wire, waterproof housing
Phasing Coil	14 AWG copper wire, encapsulated with radiators
Base and Fittings	All brass
Cable	17 ft (5.2 m), RG-58/U where furnished; 12 ft (3.6 m) RG-58A/U for ASP-7654
Connector	Available separately (except PL-259 on ASP-7654)

ASP-7650

Complete antenna including: weather-tight base for 3/4 inch (19.1 mm) hole for threaded metal insert, DURA-FLEX spring, 17-7PH stainless whip, 17 ft (5.2 m) RG-58/U cable. Connector available separately.

See inside back cover for available model configurations and UHF selection chart