Mosaic®

JOS VANALOVA

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
- 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

Specifications

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

VSWR Better than 1.5:1 with a DURA-FLEX spring or better than 2:1 with springless adapter

Impedance 50 ohms nominal

Mechanical

Electrical

17-7PH stainless steel, 0.12 inch (.31 cm) Whip Material

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

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)

See inside back cover for available model

configurations and UHF selection chart

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



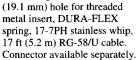
ASP-7657

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: weathertight 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.





Complete antenna including:

weather-tight base for 3/4 inch

ASP-7650

metal insert, DURA-FLEX spring, 17-7PH stainless whip,

DURA-FLEX® - U.S. Patent No. 4,625,213

