

Molded Base Antennas with Rubber "Elastomer" Spring

Mosaic® Vibration Resistant Collinear Antennas

The Mosaic® high performance collinear antennas provide exceptional coverage of VHF and UHF frequencies with 5 dB or 3 dB gain performance. They feature a black UV stabilized ABS base that resists chalking and provides long lasting operation. Patented DURA-FLEX® elastomer spring eliminates duplex system noise caused by semi-conductive deposits found in traditional coil springs. A springless model is also available.

Features

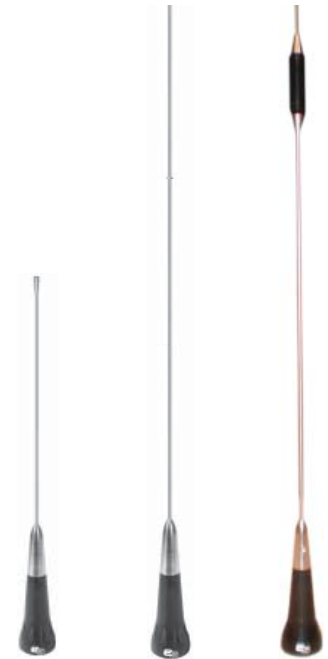
- Enhanced Performance - all brass inserts eliminate interference caused by dissimilar metals
- Long Life - black UV stabilized ABS base resists chalking and provides long lasting operation
- Noise-Free - unique patented DURA-FLEX® elastomer spring eliminates duplex system noise caused by semi-conductive deposits found in traditional metal coil springs
- System Oriented - compatible with 1-1/8" -18 thread mobile mounts, including 3/4" hole mounts for easy antenna replacement or upgrade

Antenna Electrical Specifications

Model	Frequency Range	Gain
ASP7455	138-174 MHz	3 dB
ASPH7455	210-230 MHz	3 dB
ASP76551	445-470 MHz	5 dB
ASP7795	445-470 MHz	3 dB
ASPB76552	470-494 MHz	5 dB

Mechanical Specifications

Model	Antenna Height
ASP7455	54" max. including spring and coil
ASPH7455	Approximately 27"
ASP76551	Approximately 34"
ASP7795	Approximately 15"
ASPB76552	Approximately 33"



ASP7795 ASPH7455 ASP76551
U.S. Patent No. 4,625,213



Technical Data

Maximum Power: 150 watts
Polarization: Vertical
Nominal Impedance: 50 ohms
VSWR at Resonance: < 1.5:1 with a DURA-FLEX® spring
Radiator Material: 0.12" diameter, 17-7PH stainless steel (5 dB models) .100"-.062" diameter, 17-7PH stainless steel (3 dB models)
Spring Material: DURA-FLEX® elastomer (if included)
Transformer: 14 AWG copper clad steel wire, low loss coil, waterproof housing (ASPH7455)
Base Coil: 14 AWG copper clad steel wire, waterproof housing
Phasing Coil: 14 AWG copper wire, encapsulated with radiators
Base and Fittings: All brass
Mount Method: Compatible with 1-1/8" -18 thread mobile mounts, including 3/4" hole mounts