

ANT433S, ANT433S-SMA, ANT433M, ANT433MSpring

433MHz 50 Ohms Antenna

Features

- 4 versions - ANT433S (35cm), ANT433S-SMA(35cm), ANT433M (94cm), ANT433MSpring (69cm).
- This half wave coaxial dipole is completely ground independent.
- The term ground independent relates to its ability to be completely independent of the need for negative grounding. (Earth)
- This feature allows the antenna to work efficiently in a wide variety of applications, from its probable use on motor vehicles to one of more difficult installations such as on fibreglass maritime vessels.
- All brass and PVC construction provides complete environmental and weather protection in the field. Optional Stainless Steel bracket included.
- All Stainless Steel & Brass
- Full 6dBi gain
- Low SWR (no tuning required)



Application

- For use with Elsema UHF transmitter and receivers

Description

This rugged antenna certainly represents the “State of the Art” in Ground Independent Antenna technology, providing a low angle of radiation with a minimum of 6dBi gain.





The ANT433S-SMA comes with a gold SMA connection at the base.

The ANT433M whip section is a sturdy antenna that will remain vertical at high speeds and is ideal for applications that have little or no ground plane area or applications that require a rugged durable antenna, i.e.: Industrial, Mining, Heavy Transport etc.

The ANT433MSpring comes with a spring at the base, which makes it suitable to be used on moving, vibrating machines, cars etc.

NOTE: If mounting the antenna on a Bull Bar the antenna is recommended to be fitted with the optional “SAURF” spring to give extra gain and strength. Spring mount available upon request.

Products in Range

			
ANT433S	ANT433S-SMA	ANT433M	ANT433MSpring



* PL2509 Socket is only supplied with ANT433MSpring

Specifications

	ANT433S	ANT433S-SMA	ANT433M	ANT433MSpring
Type	Ground Independent Helical Whip	Ground Independent Helical Whip	Ground Independent Colinear	Ground Independent Colinear
Length	35cm	35cm	96cm	69cm
Weight	180g	195g	340g	360g
Cable Length	3.6m	3.6m	3.6m	3.6m
Frequency	433.920MHz	433.920MHz	433.920MHz	433.920MHz
Tuning	Factory Preset	Factory Preset	Factory Preset	Factory Preset
Gain	3dBi	3dBi	6dBi	6dBi

V.S.W.R	Less than 1.5:1	Less than 1.5:1	Less than 1.5:1 over 20 Mhz	Less than 1.5:1 over 20 Mhz
Bandwidth	±15MHz	±15MHz	±15MHz	±15MHz
Impedance	50Ω Nominal	50Ω Nominal	50Ω Nominal	50Ω Nominal
Max Power	25W	25W	300W	300W
Termination		SMA Connection		PL259 Supplied
Mounting	Gutter / Boot / Bonnet / Stainless Steel Bracket	Gutter / Boot / Bonnet / Stainless Steel Bracket	Gutter / Boot / Bonnet / Stainless Steel Bracket	Gutter / Boot / Bonnet / Stainless Steel Bracket
Construction	Copper radiator element enclosed in PVC tube radome	Copper radiator element enclosed in PVC tube radome	Copper and coaxial cable elements enclosed in fibre glass radome	Copper and coaxial cable elements enclosed in fibre glass radome
Pattern	Omni Directional	Omni Directional	Omni Directional	Omni Directional

Manufactured by

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