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CA-3506 AS-4225/TRC-191A MAST-MOUNTED COMMUNICATIONS ANTENNA

Model CA-3506 is a vertically polarized, omnidirectional antenna which provides 2 dBi minimum gain over the 30 – 88-megahertz frequency band. The antenna is designed for mast mounting in military ground station installations.

The antenna consists of a broadband radiator and matching network hermetically sealed within a high strength epoxy-fiberglass radome. The interior is foamed, thereby providing a shock resistant unit and preserving the watertight integrity even if the radome is punctured or incurs serious surface damage. Air transportation at high altitudes poses no problems with the foamed configuration.

The lower portion of the antenna consists of an aluminum base with four flexible ground radials for quick deployment. A quick-clamp socket is used for attaching the antenna to a vertical pipe support on a tower. Radio frequency input is to a Type N receptacle located in the bottom of the base. A strain relief clamp is provided for the coaxial cable.

Antenna CA-3506 is designed to comply with environmental, shock and vibration requirements of MIL-E-4158 for general purpose ground equipment.



ELECTRICAL	
Frequency range	30 – 88 MHz
VSWR	3.0:1 max
Gain	2.0 dBi min
Polarization	Vertical
Zenith coverage	Figure-eight dipole
Azimuth coverage	Omnidirectional
Power handling	100 W
MECHANICAL	
Connector	Type N receptacle
Weight	26 lbs
Height	64.5 in.
Diameter	7.5 in.
Mounting	Aluminum quick clamp to a vertical 2.0 in. nominal OD pipe stub
Finish	Aliphatic polyurethane green per MIL-C-46168D, Type IV
ENVIRONMENTAL	
Wind	100 miles/hour
Temperature	-54°C to +65°C

KEY FEATURES

- > Very high frequency-frequency modulation communications antenna
- > Mast mounted
- > Hermetically sealed, rugged design

For further details and specifications, contact the factory at antenna.info@L3Harris.com

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Nonexport-controlled Information

L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.



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