



L3HARRIS™
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CA-3520

SMALL DIAMETER VHF COMMUNICATIONS ANTENNA

Model CA-3520 is a vertically polarized, omnidirectional antenna which provides 2 dBi minimum gain over the 30-88 megahertz frequency band. The antenna is designed for masts 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.

The lower portion of the antenna consists of an aluminum base with three flexible ground radials for quick deployment.

Antenna CA-3520 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 average
MECHANICAL	
Connector	Type N receptacle
Weight	15 lbs max
Height	65.12 in.
Radome diameter	3.09 in.
Mounting	Aluminum quick-clamp to a vertical 2.0 in. nominal OD pipe stub
Accessory	Antenna supplied with a flexible quick-access, transportable storage bag weight = 2 lbs max
Finish	Aliphatic polyurethane green per MIL-C-46168D, Type IV
ENVIRONMENTAL	
Shock and vibration	MIL-E-4158
Wind	100 mph
D0138 ENV. CAT.	-54°C to +65°C



KEY FEATURES

- > VHF FM communications antenna
- > Reduced diameter
- > Shelter or mast mounted
- > Hermetically sealed, rugged design

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

CA-3520 Small Diameter VHF Communications Antenna

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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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1025 W. NASA Boulevard
Melbourne, FL 32919