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C101-3

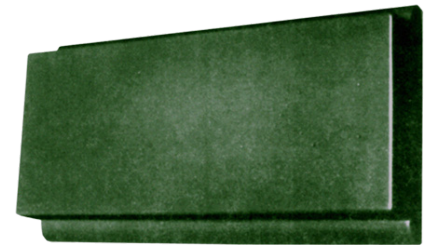
GROUND UHF SATELLITE COMMUNICATION ANTENNA

The C101-3 ground-based satellite communication antenna (military nomenclature AS-3438/G) is a high-gain directive crossed dipole array. The unit is for ground-based deployment where a higher antenna gain for more secure communications or high data rate transmission is required. When used in conjunction with masts, the C101-3 may be taken from a stored configuration and be fully deployed in less than 5 minutes.

The C101-3 is compatible with the AB-1 or EM4-1 antenna masts, both of which can be mounted to shelters for manual directional (azimuth and elevation) steering. Optional accessories such as the U112 Series and U131 Series permit fixed-site installations on customer provided masts.

The C101-3 is extremely rugged and withstands difficult environments including the MSC-64 system requirements.

ELECTRICAL	
Frequency range	225-400 MHz
VSWR	1.5:1
Gain	+10 dB relative to circular isotropic
Impedance	50 ohms
Polarization	Right-hand circular
Radiation patterns	3 dB beamwidth, $\geq 20^\circ$ to $\geq 80^\circ$
Power handling	200 W CW
MECHANICAL	
Connector	N female
Weight	42 lbs
AB-1 mast	33 lbs
U112-1-2 antenna mounting plate	4.4 lbs
U131-1-1 upper swivel joint	2.0 lbs
EM4-1 mast	30 lbs
U112-1 antenna mounting plate	4.4 lbs
U131-1-1 upper swivel joint	2.0 lbs
Deployment time	Less than 5 minutes
ENVIRONMENTAL	
Lightning protection	MIL-B-5087
Qualification	MIL-STD-810C
Military nomenclature	AS-3438/G



KEY FEATURES

- > High gain
- > Shelter or base-station use
- > Integrated load termination
- > Mast mount options

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

C101-3 Ground UHF Satellite Communication 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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