



L3HARRIS™
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SE109 SERIES

PORTABLE UHF ANTENNA

The SE109-1 portable ultra-high frequency (UHF) satellite communications (SATCOM) antenna system is the latest innovation in high-gain, lightweight, portable manpack antennas from a proven manufacturer. The SE109-1 combines the high reliability and maximum portability of the C120 umbrella antenna system with an increase in antenna gain over the satellite frequency band of 244 to 318 megahertz. A rapidly deployable antenna extension has been added to ensure reliable communications regardless of satellite intercept angle or atmospheric condition.

- > An input connector with a pigtail cable to allow for easy access and cost effective repair
- > Improved ground plane
- > Improved tripod antenna adjustment interface

ELECTRICAL

Frequency range	240–400 MHz
VSWR	1.5:1
Gain	
Basic antenna	+7.0 dBic nominal
With antenna extensions	+8.5 dBic at 244 MHz +11.0 dBic at 318 MHz
Impedance	50 ohms
Polarization	Right hand circular
3 dB beamwidth	85° nominal
Power handling	Receive only

MECHANICAL

Connector	BNC male
Weight (system)	6 lbs nominal
Deployment time	Less than one min
Cable length	12.5 ft
System components	
C120-6-1	Antenna
TS3-1-1	Tripod
U244-1-1	Antenna extensions
CC5-2-1	Carrying case
1100015-001	Cables (2)
Finish	Lusterless black

ENVIRONMENTAL

Operating temperature	-25°F to +160°F
Storage temperature	-54°F to +250°F
Wind loading	80 mph with ballast



KEY FEATURES

- > Portable, high-gain UHF SATCOM manpack antenna system
- > Rapid deployment
- > Lightweight design
- > Antenna extension included to ensure reliable communications

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

SE109 Series Portable UHF 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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