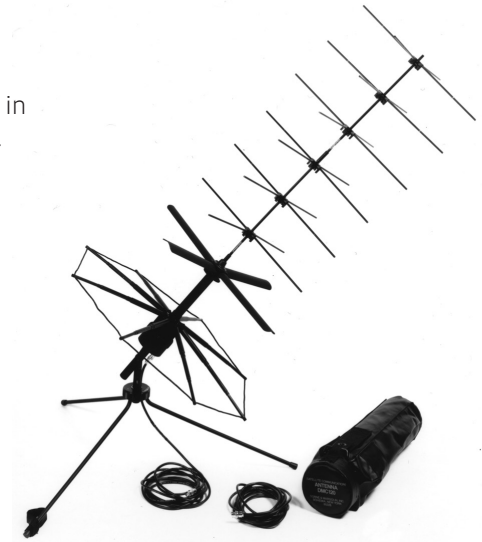


DM SE109 Series Portable UHF Antenna System

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

Design improvements, in addition to the gain enhancement, include:

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



SPECIFICATIONS

Electrical

Frequency Range	240 – 400 MHz
VSWR	1.5:1
Gain	
Basic Antenna	+7.0 dBic nom
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° nom
Power Handling	Receive Only

Mechanical

Connector	BNC Male
Weight (System)	6 lbs nom
Deployment Time	Less than one min
Cable Length	12.5 ft
System Components	
DM C120-6-1	Antenna
DM TS3-1-1	Tripod
DM U244-1-1	Antenna Extensions
DM CC5-2-1	Carrying Case
DM 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

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OUTLINE DIMENSIONS

Inches (Centimeters)

Consult with factory for mounting specifications.

EDO Corporation
a subsidiary of Exelis Inc.
585 Johnson Avenue
Bohemia, NY 11716
USA
Ph #: 631 218-5500
E: antenna.info@exelisinc.com
www.exelisinc.com/antennas

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