

# SATCOM ANTENNA

## 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 nominal
		with Antenna Extensions +8.5 dBic at 244 MHz
		+11.0 dBic at 318 MHz
	Power	200 Watts
	Polarization	R.H.C.P.
	Impedance	50 Ohms
MECHANICAL	3 dB Beamwidth	85 degrees (Nominal)
	Input Connector	BNC Male
	Deployment Time	Less than one min
	Weight (System)	6 lbs (Nominal)
	Operating Temperature	-25°F to +160°F
	Storage Temperature	-54°F to +250°F
	Wind Loading	80 MPH with Ballast
	Color	Lusterless Black
	Cable Length	12.5'

### SYSTEM COMPONENTS

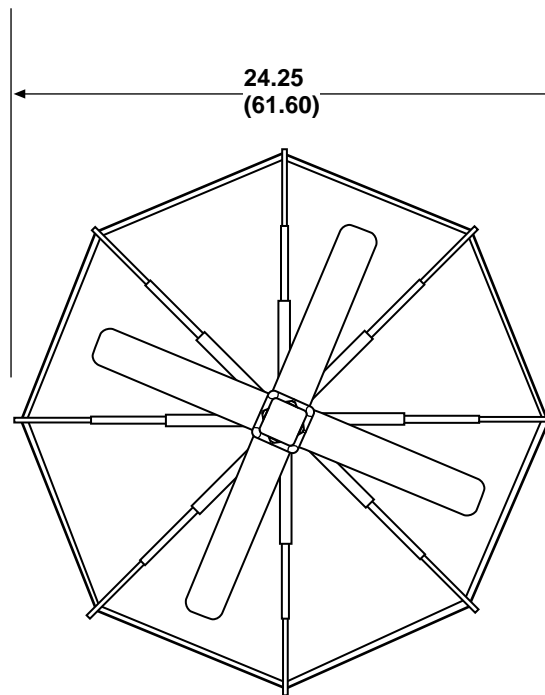
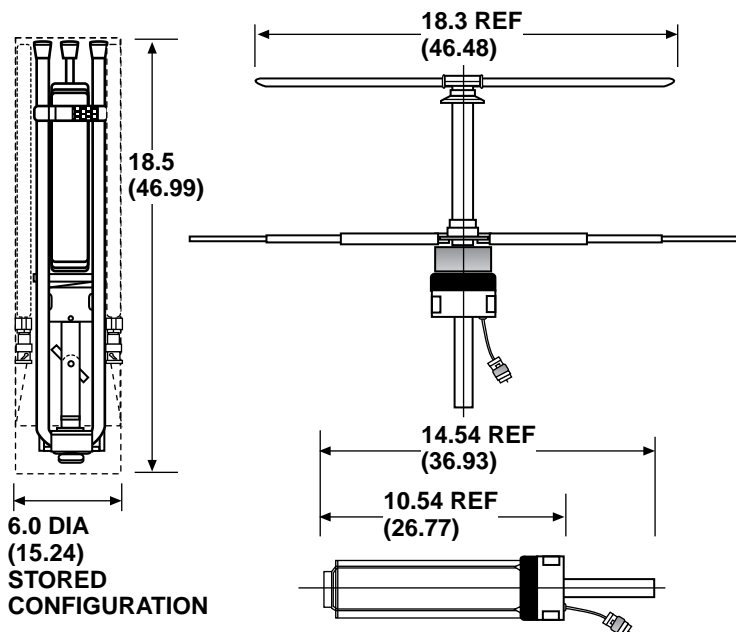
DM C120-6-1	Antenna
DM TS3-1-1	Tripod
DM U244-1-1	Antenna Extensions
DM CC5-2-1	Carrying Case
DM 1100015-001	Cables (2)

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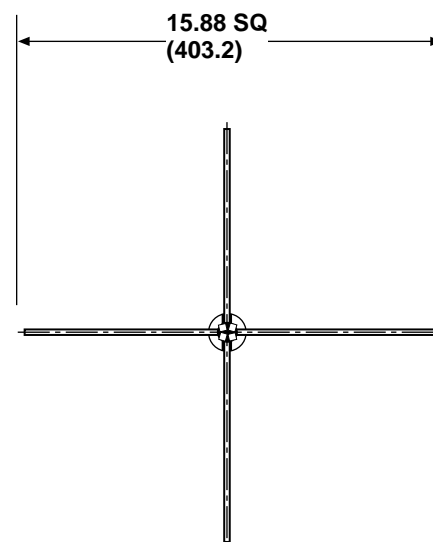
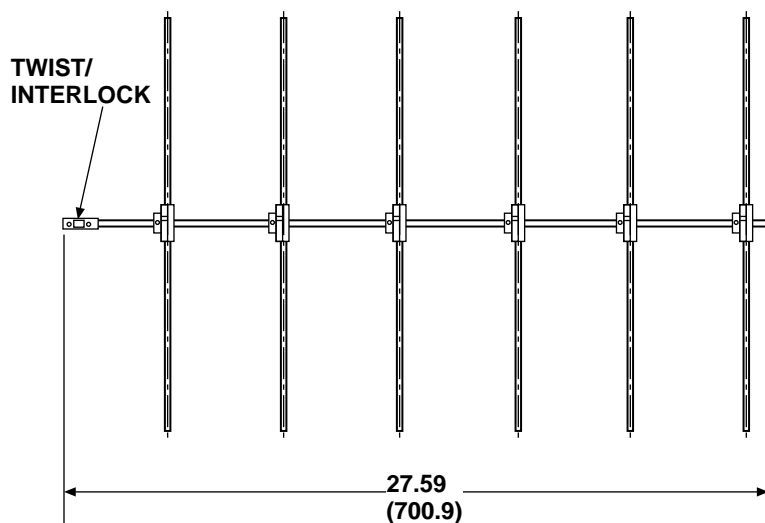
## DM SE109 SERIES PORTABLE UHF ANTENNA SYSTEM

### OUTLINE DIMENSIONS

Inches (Centimeters)



DM C120-6-1 OUTLINE



DM U244-1-1 OUTLINE