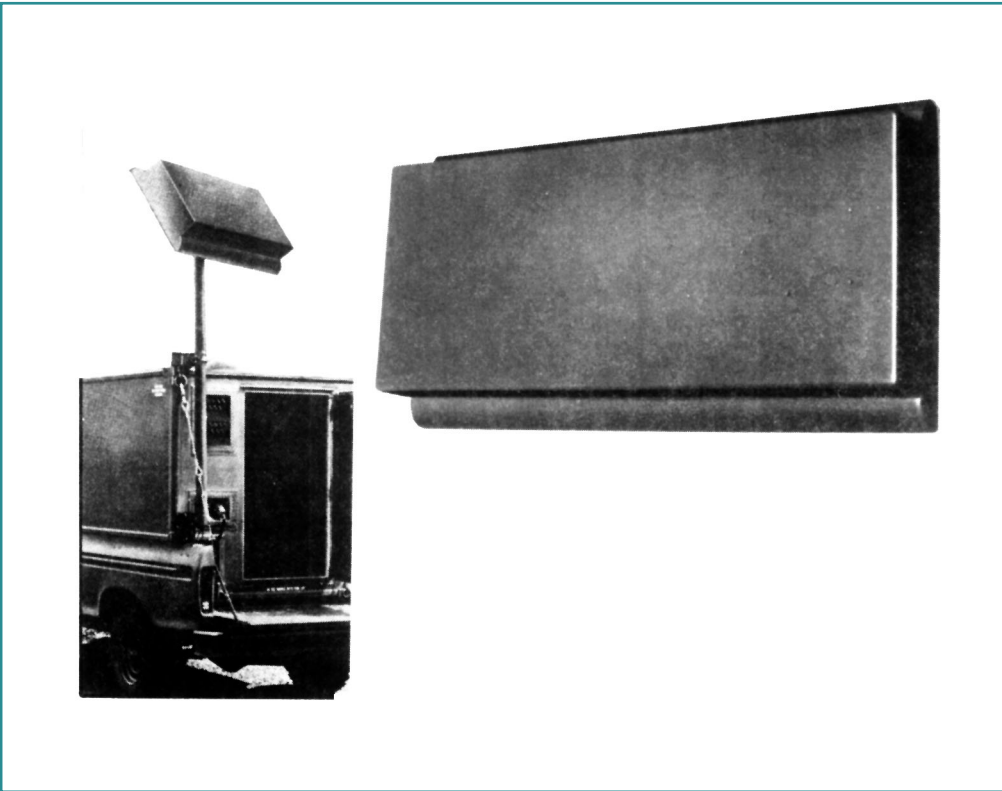




SATCOM ANTENNA

DM C101-3 GROUND UHF
SATELLITE COMMUNICATION
ANTENNA

SPECIFICATIONS

ELECTRICAL

Frequency Range225 – 400 MHz
VSWR1.5:1
PolarizationRight-Hand Circular
Power200 W CW
Impedance50 Ohms
Radiation Patterns3 dB Beamwidth
.....≥20° to ≤80°
Gain+10 dB Relative to circular isotropic

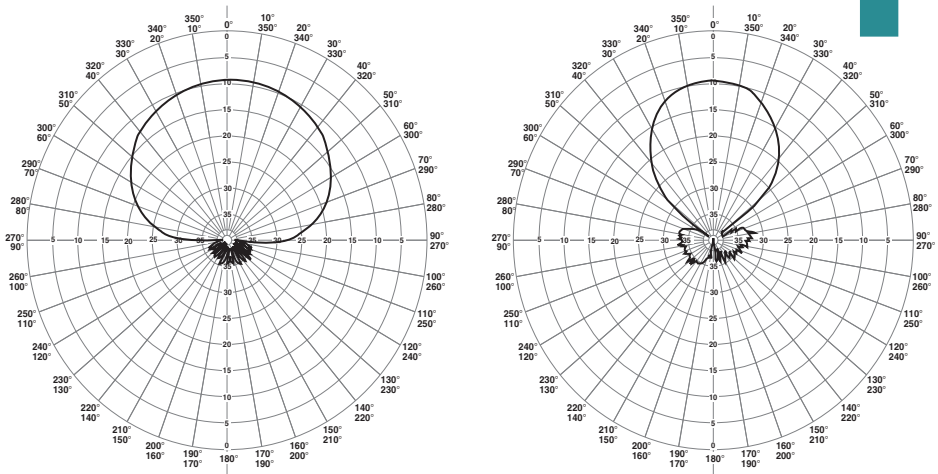
MECHANICAL

ConnectorN Female
Weight42 lbs
Deployment TimeLess than 5 min
Lightning ProtectionMIL-B-5087
QualificationMIL-STD-810C
Military NomenclatureAS-3438/G
Available Options(weight max)
DM AB-1 Mast33 lbs
DM U112-1-2
Antenna Mounting Plate4.4 lbs
DM U131-1-2 Upper Swivel Joint..... 2.0 lbs
DM EM4-1 Mast30 lbs
DM U112-1
Antenna Mounting Plate4.4 lbs
DM U131-1-1 Upper Swivel Joint.....2.0 lbs

The DM 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 DM C101-3 may be taken from a stored configuration and be fully deployed in less than five minutes.

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

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



TYPICAL RADIATION PATTERNS (dB)

All data contained herein is subject to change without notice.

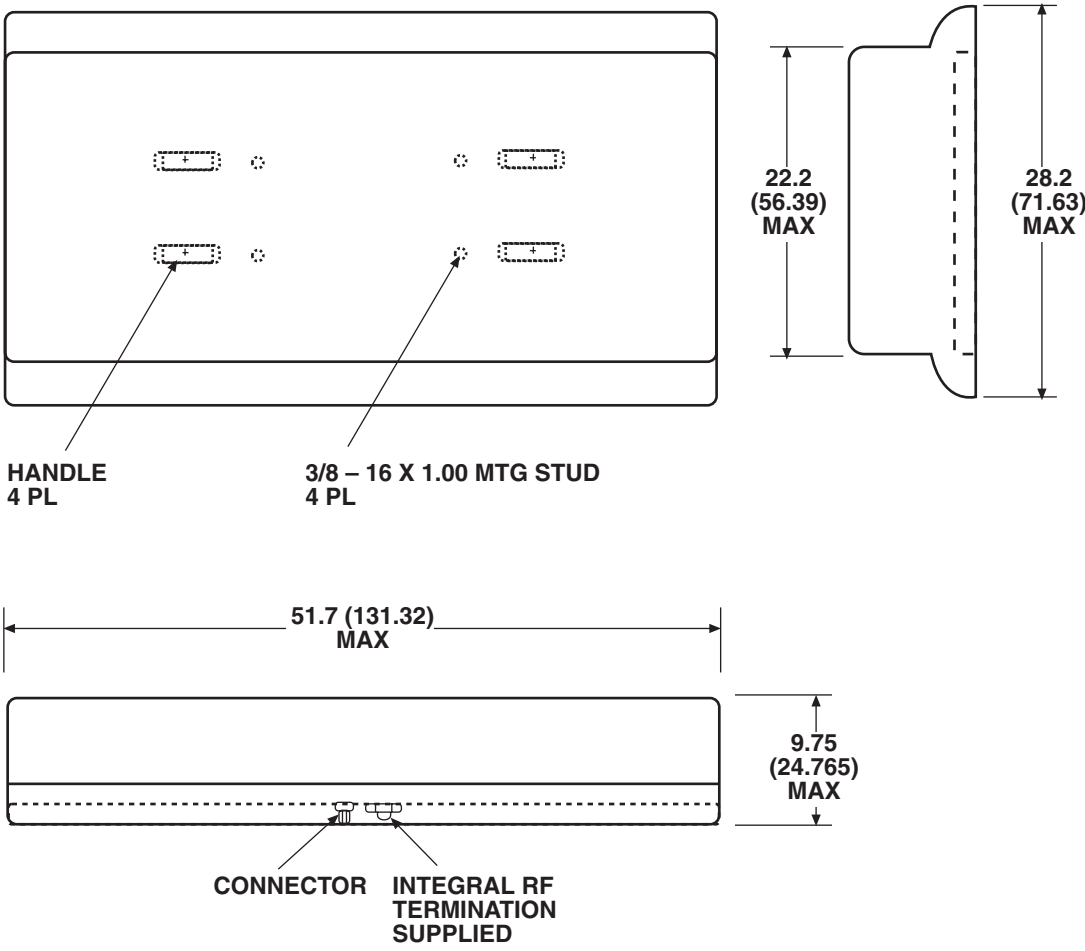
SATCOM ANTENNA

DM C101-3 GROUND UHF SATELLITE COMMUNICATION ANTENNA

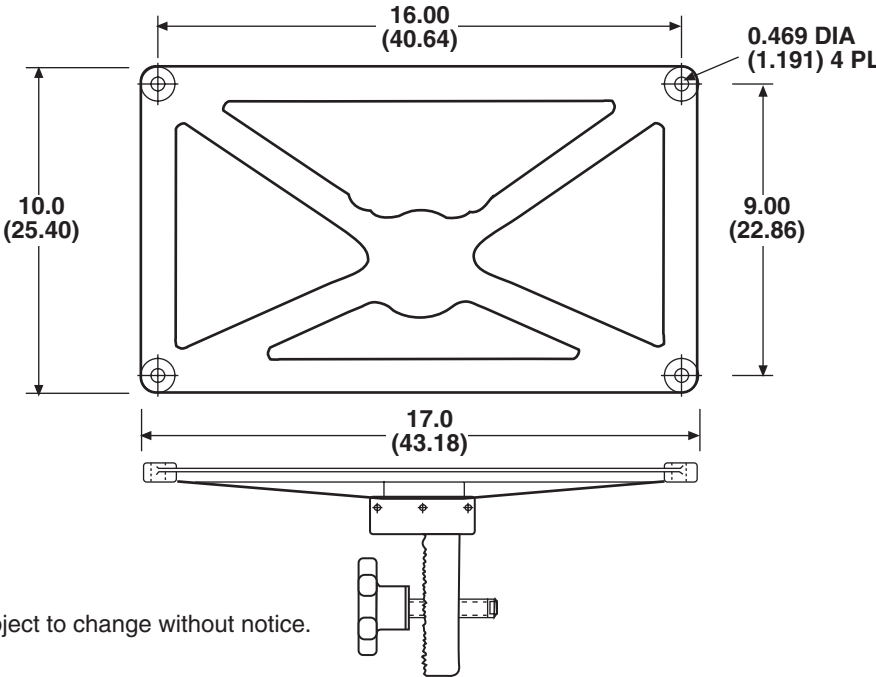
OUTLINE DIMENSIONS

Inches (Centimeters)

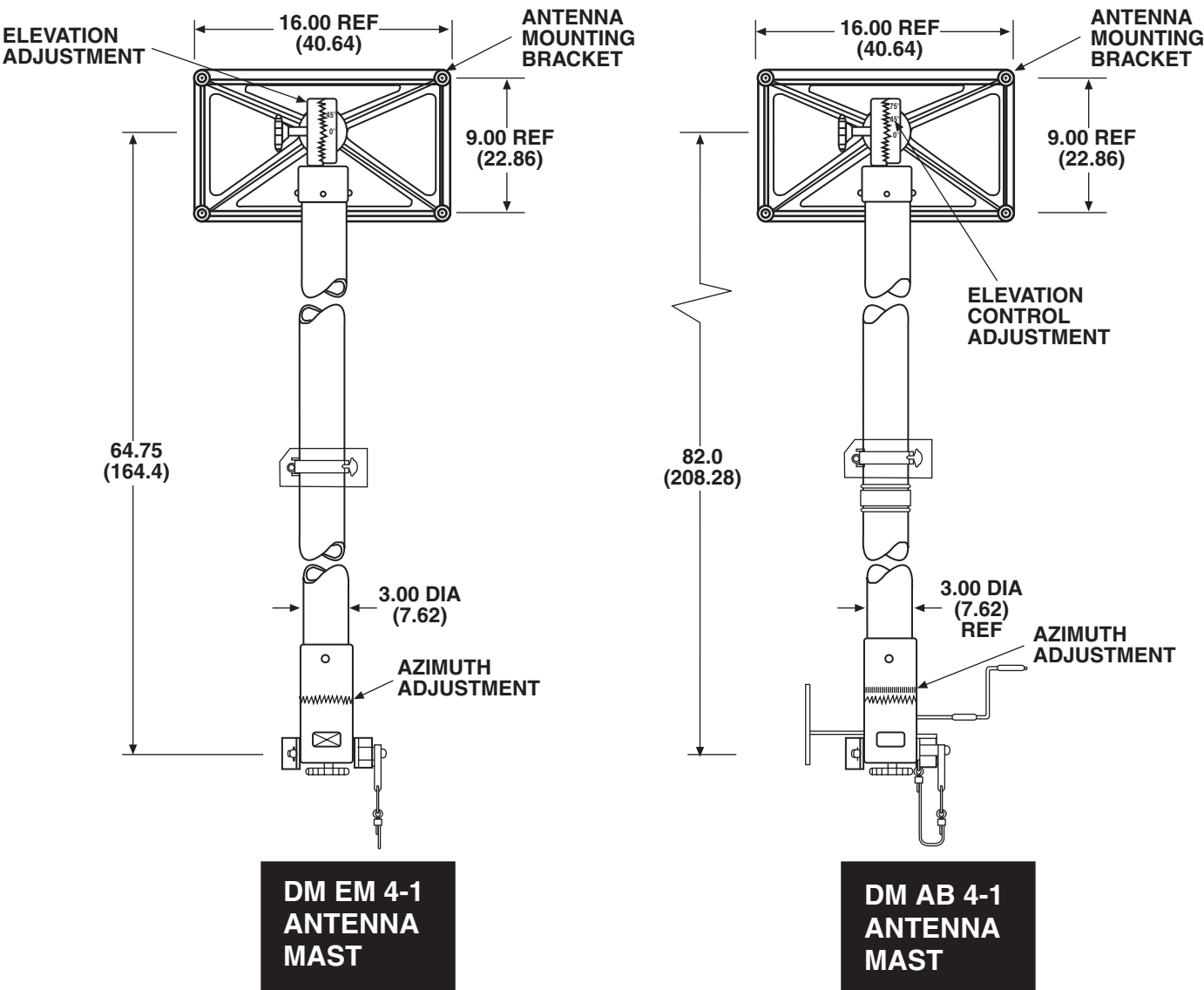
DM C101-3



DM U112-SERIES ANTENNA MOUNTING PLATE



All data contained herein is subject to change without notice.



DM U131-SERIES UPPER SWIVEL JOINT

