



L3HARRIS™
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12006-9096-0X

Low-Profile Vehicular SATCOM Antenna

GENERAL

RT Nomenclature	12006-9096-0X
Compatibility	Legacy SATCOM: AN/VRC-103(V), AN/VRC-110, AN/PRC-117G, AN/PRC-117F(C), AN/PRC-158G, RF-300M-V255 MUOS SATCOM: AN/PRC-117G (with MUOS upgrade and Diplexer), AN/PRC-158 (with MUOS upgrade)

PHYSICAL

Dimensions	3.0 H x 20.5 D in (~7.62 H x ~52.07 D cm)
Weight	10.8 lbs (5.0 kg)
RF Connector	Type-N (Female)
Color/Finish	12006-9096-01 CARC Green 12006-9096-02 CARC Tan 12006-9096-03 CARC Black
Mounting	(6) 0.281 in - through on - 19.875 in - bolt circle for ¼ hardware

ELECTRICAL

Frequency Range	243-270 MHz UHF SATCOM Rx 292-318 MHz UHF SATCOM Tx 360-380 MHz MUOS SATCOM Rx 300-320 MHz MUOS SATCOM Tx	
Polarization	Right hand circularly polarized	
Impedance	50 ohm (nominal)	
VSWR	1.5:1	
Gain	Elevation Angle	Gain (dBiC)
	90°	3.0
	45°	-0.5
	20°	-3.5
Power Rating	100 W continuous power	
Beam Width	70°	

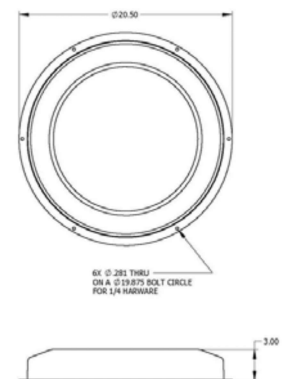
ENVIRONMENTAL

Temperature	-40°F to 180°F (-40°C to 82.2°C)
Designed and Tested to MIL-STD-810G	



The Low-Profile Vehicular SATCOM Antenna does not require a metal ground plane. This is a ruggedized right-hand circularly polarized antenna designed for tactical vehicles during On-The-Move operations.

The 12006-9096-0X covers the entire hemispherical Field of View with a single port, eliminating the need to switch between high and low angles. This SATCOM antenna also features a flange mount for easy installation.



12006-9096-0X Low-Profile Vehicular SATCOM Antenna

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