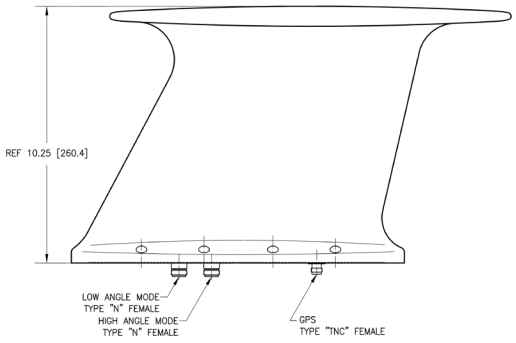
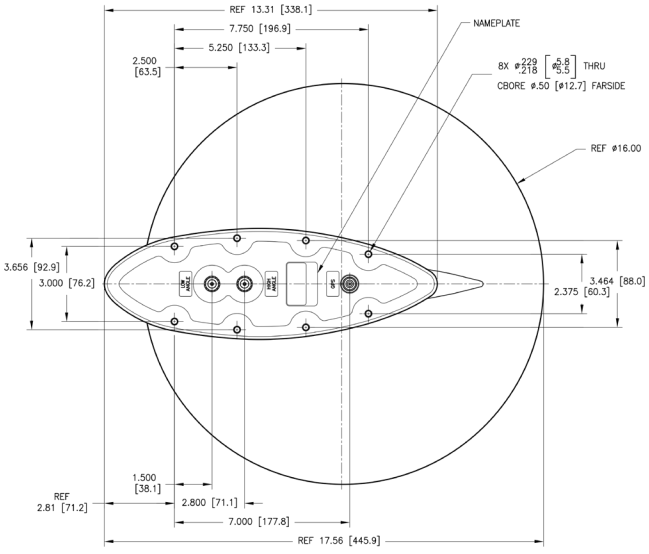
Dual UHF/Satcom/GPS/L1/L2 S65-8282-336





Please Note: For REFERENCE ONLY
Contact Sensor Systems for latest drawing

Description

The dual mode UHF Satellite Communication antenna provides three functions from a single low-profile antenna footprint. The traditional low-angle, vertically-polarized blade can be used for air-to-air and air-to-ground communications.

The high-angle RHCP element is designed for UHF Satcom. The broad cardioid pattern provides coverage for up to plus or minus 35 degrees from zenith. The passive GPS L1/L2 antenna is housed in the radome to provide GPS function on the third output connector. Ideal for commercial and military application.

Federal & Military Certifications:

MIL-STD-810 and MIL-STD-877.

Specifications

Electrical	
Frequency	UHF/Satcom: High Angle: 240-400 MHz Low Angle: 225-400 MHz GPS: L1: 1565 to 1586 MHz L2: 1217 to 1238 MHz
VSWR	UHF/Satcom: ≤2.0:1 GPS: ≤2.0:1
Gain	UHF/Satcom: High Angle: +3 dBic Min., +7 dBic Peak @ Zenith Low Angle: 0 dBi Min. @ horizon, +2 dBil Peak GPS: 3dBic @ Zenith
Polarization	UHF/Satcom High Angle: RHCP Low Angle: Vertical GPS: RHCP
Pattern	UHF/Satcom: High Angle: Cardioid Hemispheric RHCP Low Angle: Omnidirectional in Azimuth Low Angle: Cosinusoidal in Elevation
Impedance	50 Ω Nominal
Power	UHF/Satcom: 200 Watts Continuous GPS: 1 Watt
Mechanical	
Weight	10.5 lbs.
Height	10.25 in.
Length	17.56 in.
Width	Ø16.00 in.
Material	6061-T6 Aluminum Alloy / Fiberglass
Finish	Skydrol Resistant Polyurethane Enamel
Connector	Satcom: N Female (2) GPS: TNC Female
Environmental	
Temperature (Operating)	-61°C (-77°F) to +85°C (+185°F)
Altitude	-1800 to 50,000 ft.

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