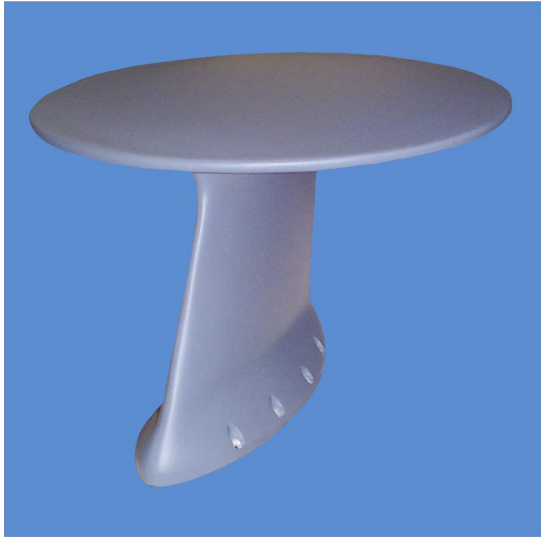


UHF/Satcom/GPS S65-8282-336



DESCRIPTION

S65-8282-336: 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. An L1/L2 GPS antenna is housed in the radome to provide GPS function on the third output connector. Commercial and Military application.

FEDERAL & MILITARY SPECS: MIL-STD-810, MIL-STD-877.

SPECIFICATIONS	
MODEL	
ELECTRICAL	
Frequency	UHF (High Angle): 240-400 MHz UHF (Low Angle): 225-400 MHz GPS (L1): 1565-1586 MHz GPS (L2): 1217-1238 MHz
VSWR	UHF (High Angle and Low Angle): $\leq 2.0:1$ GPS L1 and L2: $\leq 2.0:1$
Pattern	UHF (High Angle): Cardioid Hemispheric RHCP UHF (Low Angle): Ominidirectional in Azimuth UHF (Low Angle): Cosinusoidal in Elevation
Polarization	UHF (High Angle): RHCP UHF (Low Angle): Vertical GPS: RHCP
Impedance	50 Ohms Nominal
Power	UHF: 200 watts continuous GPS: 1 watt
Gain	UHF (High Angle): +3 dBic min, +7 dBic peak @ Zenith UHF (Low Angle): 0dBil min @ Horizon, +2 dBil @ Peak GPS: +3 dBic @ Zenith
Lightning Protection	DC Grounded
MECHANICAL	
Weight	9.6 lbs.
Height	10.25 in.
Width	16.0 in.
Length	17.56 in.
Material	6061-T6 Aluminum Alloy/Fiberglass
Finish	Skydrol Resistant Polyurethane Enamel
Connector	UHF: N Female (x2) / GPS: TNC Female
ENVIRONMENTAL	
Temperature	-61°C (-77°F) to +85°C (+185°F)
Altitude	-1800 to 50,000 ft.
Shock	20 g's

