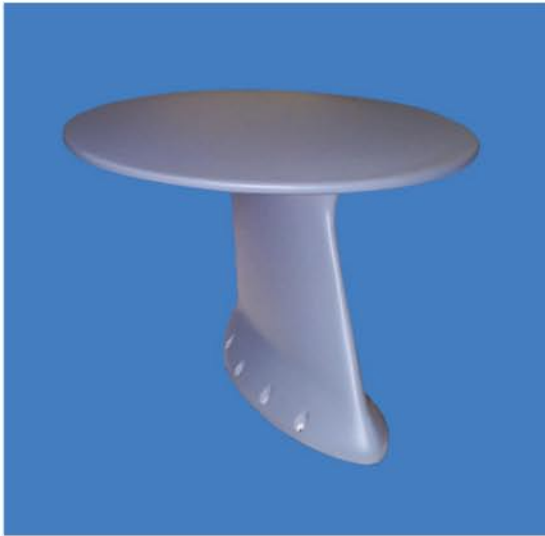


UHF/Satcom/GPS S65-8282-196

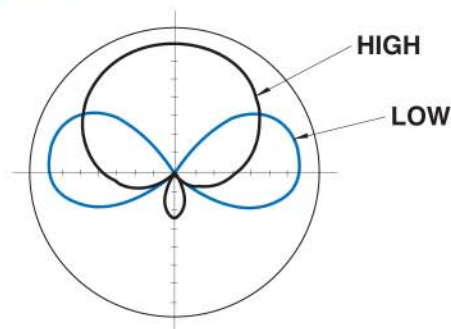


DESCRIPTION

S65-8282-196: 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. A 40 dB gain active L1/L2 GPS antenna is housed in the radome to provide GPS function on the third output connector. Military application.

FEDERAL & MILITARY SPECS: MIL-E-5400, MIL-A-7772, MIL-A-9094 and MIL-STD-810.

PERFORMANCE



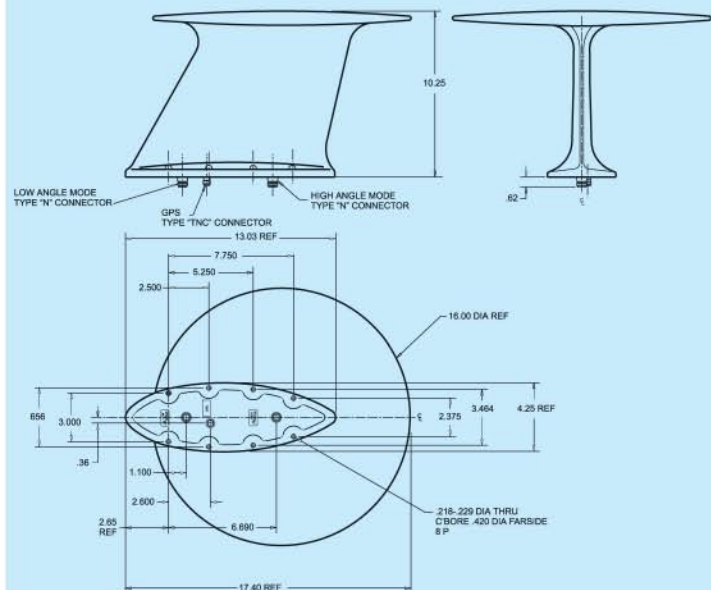
RADIATION PATTERNS



8929 Fullbright Ave., Chatsworth, CA 91311 U.S.A.
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 Email: info@SensorAntennas.com
 www.SensorAntennas.com

SPECIFICATIONS	
MODEL	S65-8282-196
ELECTRICAL	
Frequency	240-400 MHz (high angle UHF) 225-400 MHz (low angle UHF) 1565-1586 MHz (L1 GPS) 1217-1238 MHz (L2 GPS)
VSWR	1.5:1 (high angle) 2.0:1 (low angle) UHF and GPS
Pattern	Cardioid-hemispheric RHCP (high angle) Omni/Az, Cos/EI (low angle)
Polarization	RHCP (high angle) UHF and GPS Vertical (low angle)
Impedance	50 Ohms
Power	200 watts CW (high angle) 200 watts CW (low angle)
Gain	7.0 dBic (high angle UHF) 2.0 dBil (low angle UHF) 3 dBic + 40 dB active preamp (GPS)
Weight	8.4 lbs.
Height	10.25 in.
Diameter	16.0 in.
Material	6061-T6 aluminum / glass
Finish	Skydrol-resistant enamel
Connector	N, TNC
Drag	2.8 lbs. Mach .85 @ 35,000 ft.
ENVIRONMENTAL	
Side Load	10 psi
Temperature	-77°F to +185°F
Vibration	10 G's
Shock	20 G's
Altitude	50,000 ft.

OUTLINE DRAWING



S65-8282-196