

UHF/L-BAND S65-8282-147



Description

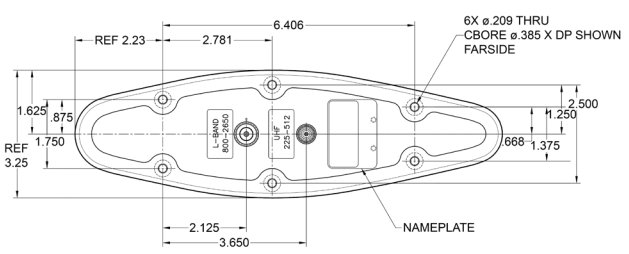
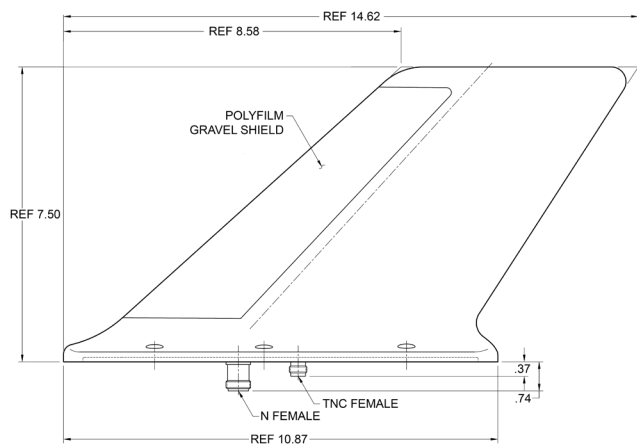
This compactly designed UHF/L-band combination antenna is intended for JTRS and other similar radios.

The **S65-8282-147**'s UHF frequencies cover 225 to 512 MHz; while its L-band frequencies cover the 800-2650 MHz. The expanded L-band section supports Quad GSM, 802.11b/g, Link 16, TTNT and IFF TACAN, JTRS SRW, and AMF-SA. The antenna's 7.5 inches tall stature and small blade design exhibits very low drag, and is co-efficient for aircrafts reaching speeds over Mach 1.0.

The antenna is designed for current generation of fighter aircraft maximum flight envelopes. The antenna baseplate features a six-hole bolt patterns which is interchangeable with Collins 37R-2U and similar antennas.

Federal & Military Certifications:

DO-160E, MIL-A-7772B, MIL-E-5272, MIL-E-5400 and MIL-STD-810.



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

Specifications

Electrical

Frequency	UHF: 225-512 MHz L-Band: 800-2650 MHz
VSWR	225-512 MHz: ≤2.3:1 800-2650 MHz: ≤2.0:1
Polarization	Vertical
Pattern	Omnidirectional in Azimuth Cosinusoidal in Elevation
Impedance	50 Ω
Power	UHF: 100 Watts L-Band: 4000 Watts Peak
Drag	M.85 @ 35,000 ft. = 1.0 lb.

Mechanical

Weight	1.4 lbs.
Height	7.50 in.
Length	10.87 in.
Width	3.25 in.
Material	A356-T61 Aluminum Alloy Casting Base/ Fiberglass
Finish	Skydrol Resistant Enamel
Connector	UHF: TNC Female L-Band: N Female

Environmental

Temperature (Operating)	-55°C (-67°F) to +85°C (+185°F)
Altitude	60,000 ft.