

VHF/UHF/AM-FM **S65-8282-1068**



Description

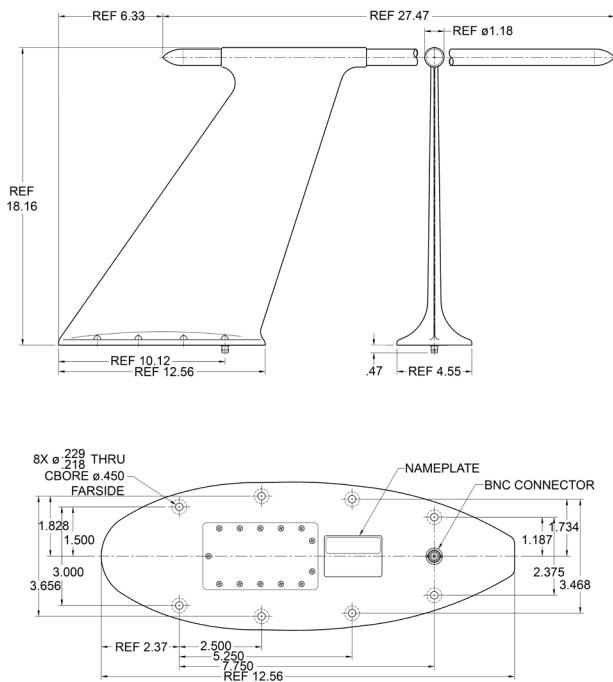
A top-loaded, high-gain antenna that operates between 30 to 512 MHz frequency for use with a Collins ARC-210, Raytheon ARC-231, Rhode & Schwarz M3AR 6000, Harris AN/PRC 117 and similar radios.

The **S65-8282-1068** antenna features an 8 hole bolt patterns that is compatible with the Collins 437 SI-series antennas. The antenna is hermetically sealed for a long service life and ruggedly constructed to ensure continued functionality in extreme environments. The antenna features brass tubing to prevent corrosion.

The antenna is ideal for usage in a variety of airborne installations from UAV's to cargo and transport type fixed-winged aircraft.

Federal & Military Certifications:

DO-160G, MIL-A-7772B (ASG), MIL-E-5272C, MIL-HDBK-5400H and MIL-STD-810C/D.



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

Specifications

Electrical

Frequency	30-88 MHz 108-174 MHz 225-512 MHz
VSWR	30-88 MHz: $\leq 2.6:1$ 108-174 MHz: $\leq 2.3:1$ 225-512 MHz: $\leq 2.3:1$
Gain	30 MHz: -14 dBi 40-50 MHz: -15 dBi 88 MHz: -5 dBi 108-174 MHz: -4 to +1 dBi 225-400 MHz: +3 to +1 dBi 512 MHz: 0 dBi
Polarization	Vertical
Pattern	Omnidirectional in Azimuth Cosinusoidal in Elevation
Impedance	50 Ω
Power	100 Watts 50% Duty Cycle

Mechanical

Weight	5.1 lbs.
Height	18.16 in.
Length	27.47 in.
Width	4.55 in.
Material	6061-T6 Aluminum Alloy Base / Brass Tube Top Load
Finish	Skydrol Resistant Polyurethane Enamel
Connector	BNC Female
Drag	M.85 @ 35,000 ft. = 2.8 lbs.

Environmental

Temperature (Operating)	-62°C (-80°F) to +71°C (+160°F)
Altitude	50,000 ft.



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