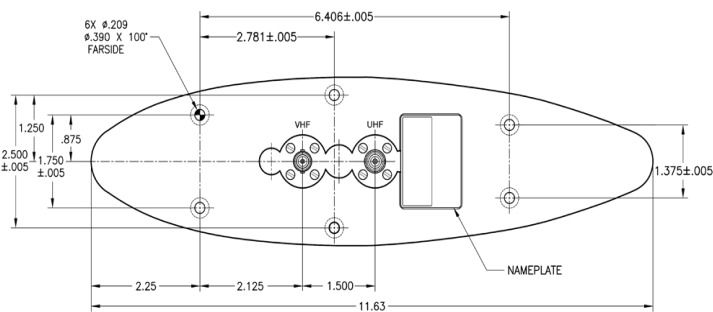
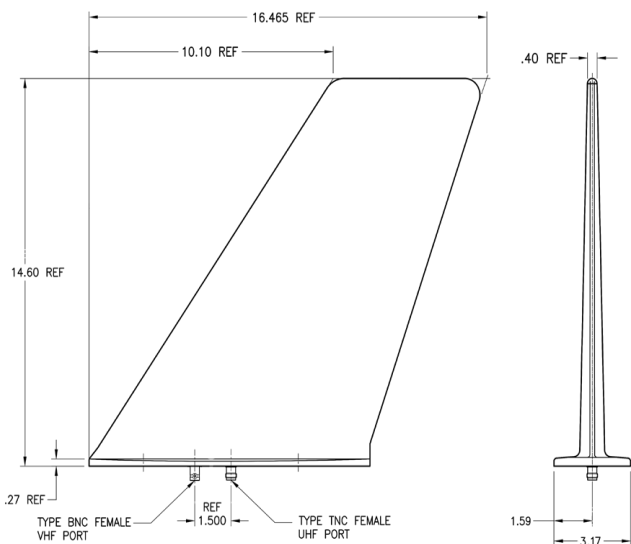


VHF/UHF S65-111-310



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

Description

This is an all-metal, dual VHF/UHF antenna. The antenna is extremely rugged in construction to provide a high degree of structural rigidity and protection from rain erosion as well as sand and gravel abrasion.

The **S65-111-310** antenna is DC grounded to eliminate "P" static and is hermetically sealed for a long service life.

The antenna is interchangeable with the Collins 37R-2U antenna.

Federal & Military Certifications:

TSO C37b, C38b, C59, MIL-A-6271A, MIL-A-9094C, MIL-A-7772B (ASG), MIL-E-5272C, and MIL-E-5400.

Specifications

Electrical

Frequency	VHF: 132-174 MHz UHF: 225-400 MHz
VSWR	VHF: $\leq 2.0:1$ UHF: $\leq 2.6:1$
Polarization	Vertical
Pattern	Omnidirectional in Azimuth Cosinusoidal in Elevation
Impedance	50 Ω
Power	100 Watts Continuous
Isolation	VHF: 132-174 MHz ≥ 20 dB UHF: 225-400 MHz ≥ 20 dB
Efficiency	85%

Mechanical

Weight	4.2 lbs.
Height	14.60 in.
Length	11.63 in.
Width	3.17 in.
Material	A356-T61 Aluminum Alloy Casting
Finish	Skydrol Resistant Polyurethane Enamel
Drag	2.5 lbs. Mach .85 @ 35,000 ft.
Connector	VHF: BNC Female UHF: TNC Female

Environmental

Temperature (Operating)	-40°C (-40°F) to +85°C (+185°F)
Altitude	60,000 ft.



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