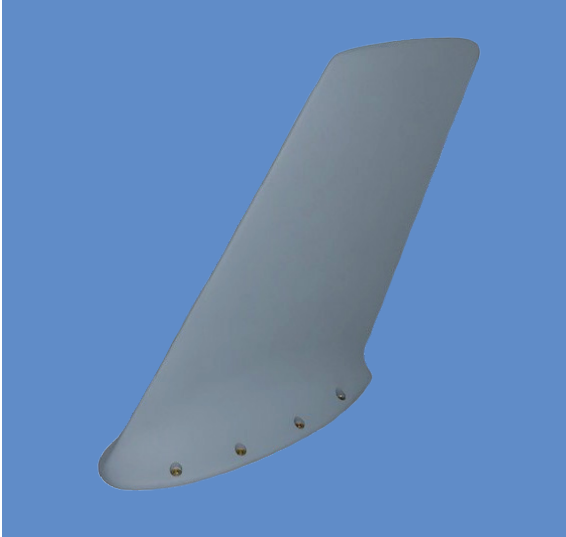


# VHF/UHF S65-8282-296



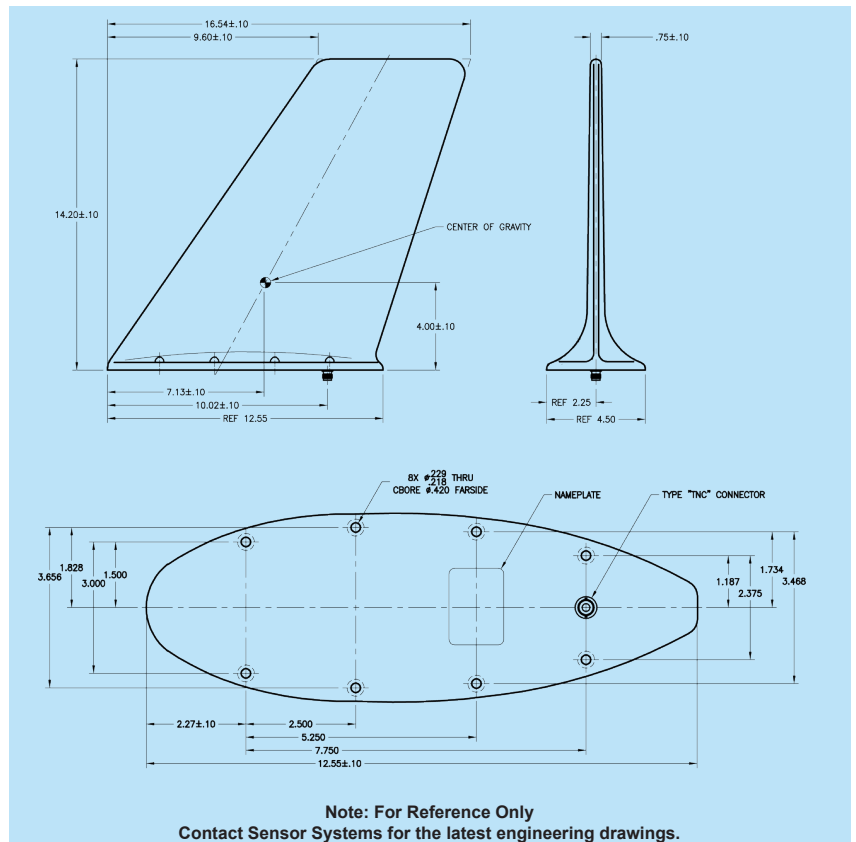
## DESCRIPTION

**S65-8282-296:** High speed, low drag, multifunction antenna. The broadband operational frequency enables use with VHF/UHF systems. This antenna is used as a replacement for the legacy S65-8282-78, S65-8282-781 and S65-8282-98; with phase matching for DF Systems,  $\pm 3^\circ$  max at 20-150 MHz and  $\pm 4^\circ$  max at 150-512 MHz.

**FEDERAL & MILITARY SPECS:** RTCA DO-160G and MIL-HDBK-5400.

## SPECIFICATIONS

ELECTRICAL	
Frequency (VHF/UHF)	20-512 MHz
VSWR	$\leq 3.5:1$ (20-30MHz) $\leq 2.6:1$ (30-100 MHz) $\leq 2.3:1$ (100-512 MHz)
Polarization	Vertical
Pattern	Ominidirectional in Azimuth Cosinusoidal in Elevation
Impedance	50 Ohms
Power Handling	40 Watts
Phase Tracking (Swept)	$\pm 3^\circ$ max. (20-150 MHz) $\pm 4^\circ$ max. (150-512 MHz)
MECHANICAL	
Weight	3.0 lbs
Height	14.20 in.
Length	12.55 in.
Width	4.50 in
Material	6061 T6 AL Alloy/Fiberglass
Finish	Skydrol Resistant Enamel
Connector	TNC Female
ENVIRONMENTAL	
Temperature	-55°C (-67°F) to +85°C (+185°F)
Altitude	70,000 ft



Note: For Reference Only  
Contact Sensor Systems for the latest engineering drawings.



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