

Digitally Tuned VHF/UHF **S65-8282-834**



Description

S65-8282-834: Is a replacement for the Cobham 12-190-6/1, when used with the provided adapter plate.

Representing current state-of-the-art in digitally-tuned antenna technology, the S65-8282-834 provides high-gain VHF/UHF performance. Frequency tuning is accomplished using solid-state microprocessor technology with switching speeds less than 50 microseconds, supporting secure, frequency-hopping voice communication systems.

The aerodynamic composite blade of the antenna houses a microprocessor-based logic controller, RF tuning circuitry and DC switching power supply resulting in a single antenna package. The antenna operates on a standard 28 VDC power source. The antenna is ideal for applications with severe mounting concerns.

Frequency setting information is transmitted directly to the antenna from the radio via a multi-pin connector. Tuning of the inductor circuits is achieved by the logic controller via PIN diodes.

The antenna is compatible with Rockwell Collins ARC-210, Raytheon ARC-231, and R&S M3AR Series 6000

NSN: 5985015985646

FEDERAL & MILITARY SPECS: MIL-HDBK-5400, MIL-STD-810.

Specifications

Electrical

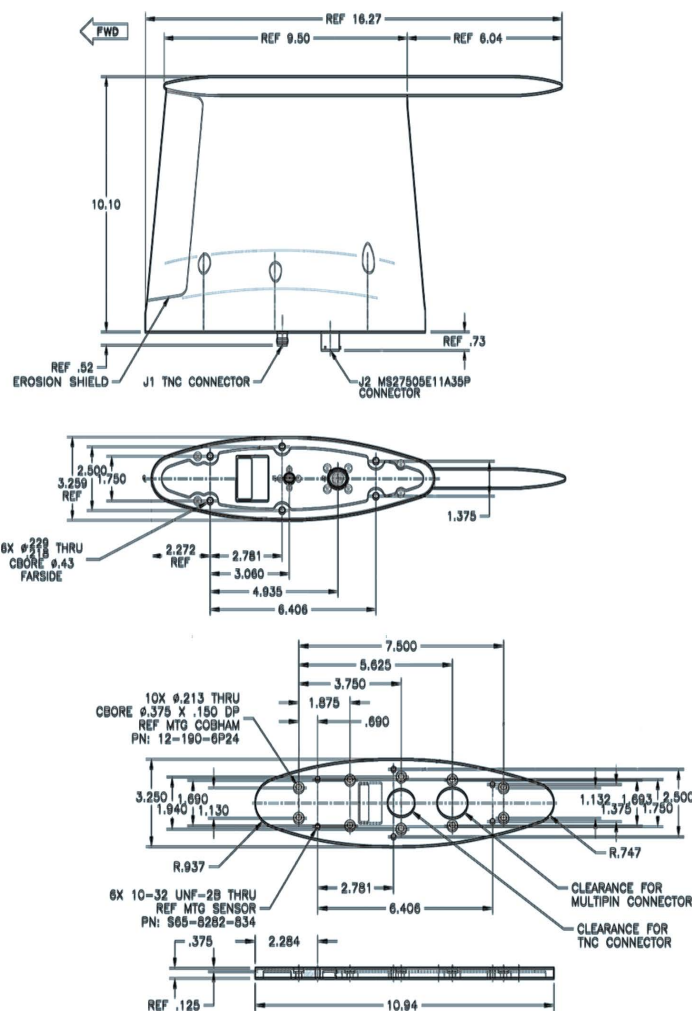
Frequency	30 MHz - 512 MHz
	1.7 : 30MHz
	1.3 : 40/50 MHz
	1.5 : 60 MHz
	1.9 : 70/80/88 MHz
	2.0 : 108-174 MHz
	1.8 : 225-512 MHz
VSWR	
Pattern	Omnidirectional in Azimuth Cosinusoidal in Elevation
Polarization	Vertical
Impedance	50 Ω
Switching Speed	< 50 μ S

Mechanical

Weight	5.0 lbs.
Material	6061-T6 Aluminum Alloy / Fiberglass
Finish	Skydrol Resistant Polyurethane Enamel
RF Connector	J1 TNC Female
DC Connector	J2 MS27505E11A35P Male
Drag	2.0 lbs. Mach .85 @ 35,000 ft.

Environmental

Temperature	-54°C (-65°F) to 71°C (+160°F)
Altitude	50,000 ft.



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



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Website: www.sensorantennas.com

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