

VHF/UHF/ L&S-Band **S65-8282-423**

Description

S65-8282-423: VHF/UHF/L/S-band antenna for all fast aircraft, supporting speeds over Mach 2. VHF/UHF bandwidth covers frequencies from 30 to 512 MHz and L/S-band from 800 to 2650 MHz. The L/S-band section supports Quad GSM, 802.11b/g, Link 16, TTNT and IFF TACAN as well as JTRS SRW, AMF-SA. The baseplate features a six-hole bolt pattern, interchangeable with Collins 37R-2U antennas.

FEDERAL & MILITARY SPECS: MIL-A-7772, DO-160A, MIL-HDBK-5400, MIL-E-5272.

Specifications

Electrical

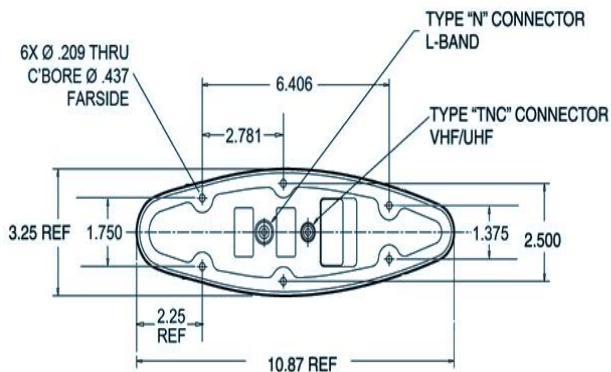
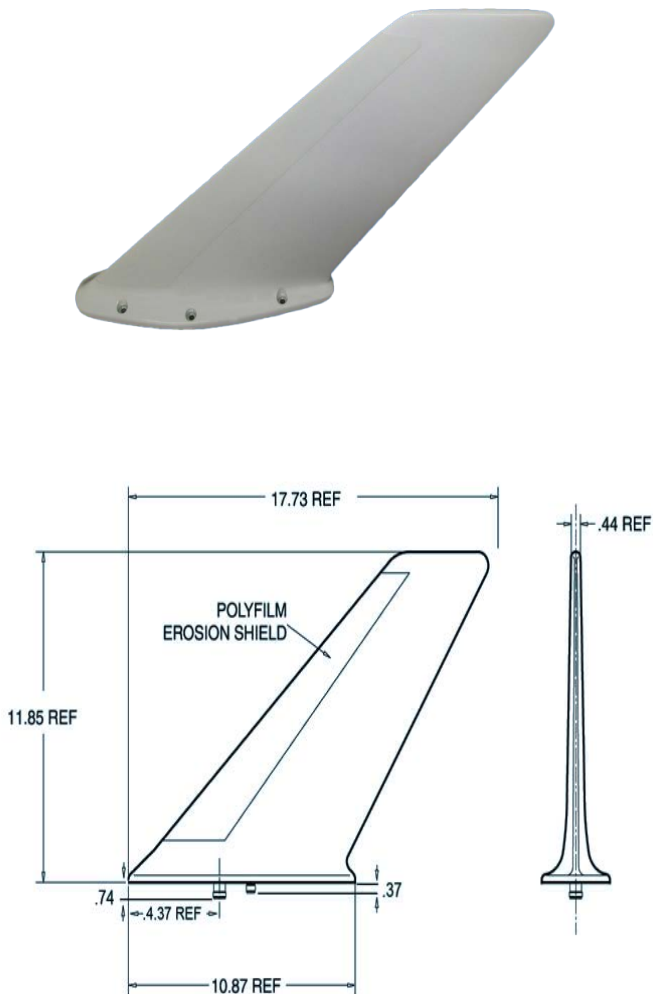
Frequency	30-88 MHz (VHF/FM) 108-174 MHz (VHF/AM) 225-512 MHz (UHF) 800-2650 MHz (L/S - Band)
VSWR	$\leq 2.6:1$ (30-88 MHz) $\leq 2.3:1$ (108-174 MHz) $\leq 2.3:1$ (225-400 MHz) $\leq 2.6:1$ (400-512 MHz) $\leq 2.4:1$ (800-2650 MHz)
Pattern	Omnidirectional in Azimuth Cosinusoidal in Elevation
Polarization	Vertical
Impedance	50 Ω
Power	VHF/UHF: 100 Watts L-Band: 4000 Watts Peak

Mechanical

Weight	2.2 lbs. (1.1 kg)
Height	11.85in. (301 mm)
Length	10.87 in.
Width	3.25 in.
Material	Aluminum Alloy / Fiberglass
Finish	Skydrol Resistant Polyurethane Enamel
Connector	TNC Female (VHF/FM) (VHF/AM) (UHF) N Female (L/S-Band)
Drag	1.0 lb. @M .85 @ 35,000

Environmental

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



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



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Website: www.sensorantennas.com

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