

VHF/UHF/AM-FM S65-8282-512



Description

The low-drag VHF/UHF blade antenna is capable of speeds of up to Mach.85. The antenna's frequency range from 30 to 512 MHz can be used with the Collins ARC-210, Raytheon ARC-231, Rohde & Schwarz M3AR 6000, Harris AN/PRC 117, and similar radios.

The **S65-8282-512** antenna provides a low VSWR throughout the operating band. The antenna is hermetically sealed with a stainless steel shield leading edge. The base has a six-hole bolt pattern for universal mounting. The antenna is interchangeable with Collins 37R-2U and similar antennas.

Federal & Military Certifications:

FAA TSO C-37b, C38b, MIL-A-7772B (ASG), MIL-E-5272C and MIL-HDBK-5400.

Specifications

Electrical

Frequency	UHF-FM: 30-88 MHz UHF-AM: 108-174 MHz UHF: 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: -21 dBi 88 MHz: -13 dBi 108 MHz: -12 dBi 118 MHz: -8 dBi 136MHz: -2 dBi 174 MHz: 0 dBi 225 MHz: -1 dBi 400 MHz: 0 dBi 512 MHz: -4 dBi

Polarization	Vertical
Pattern	Omnidirectional in Azimuth Cosinusoidal in Elevation

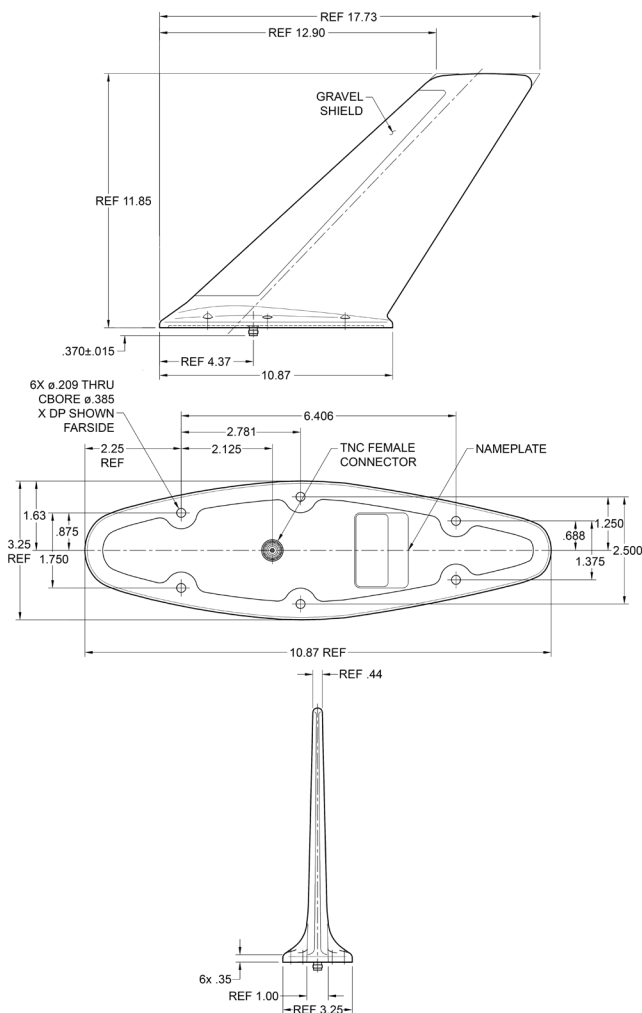
Impedance	50 Ω
Power	100 Watts

Mechanical

Weight	2.5 lbs.
Height	11.85 in.
Length	10.87 in.
Width	3.25 in.
Material	A356-T61 Aluminum Alloy Cast Base / Fiberglass / Stainless Steel Gravel Shield
Finish	Skydrol Resistant Polyurethane Enamel
Connector	TNC Female
Drag	1.0 lbs @ M.85 @ 35,000 ft.

Environmental

Temperature (Operating)	-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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