# VHF S65-8262-12

U.S. Patent No. 3,220,006

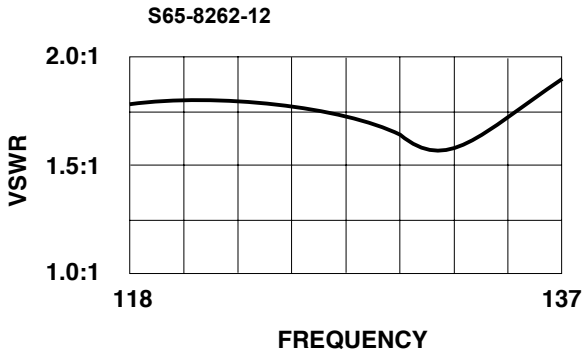
## DESCRIPTION

**S65-8262-12:** All metal communications antenna. Light weight, low drag in a rugged design package. Resistant to erosion and impact. DC grounded to provide lightning protection, eliminates "P" static. Hermetically sealed. The antenna is 25% shorter and 30% lighter than the S65-8262-2, but keeps the identical mounting footprint.

Other models available with optional internal low pass filtering system to prevent VHF interference to the Global Positioning System (GPS). Total harmonic attenuation greater than 80 dB.

**FEDERAL & MILITARY SPECS:** FAA TSO C37b and C38b. DO-160, MIL-STD-810, MIL-E-5400, MIL-E-5272, MIL-A-7772 (ASG), MIL-A-6271, MIL-A-9094.

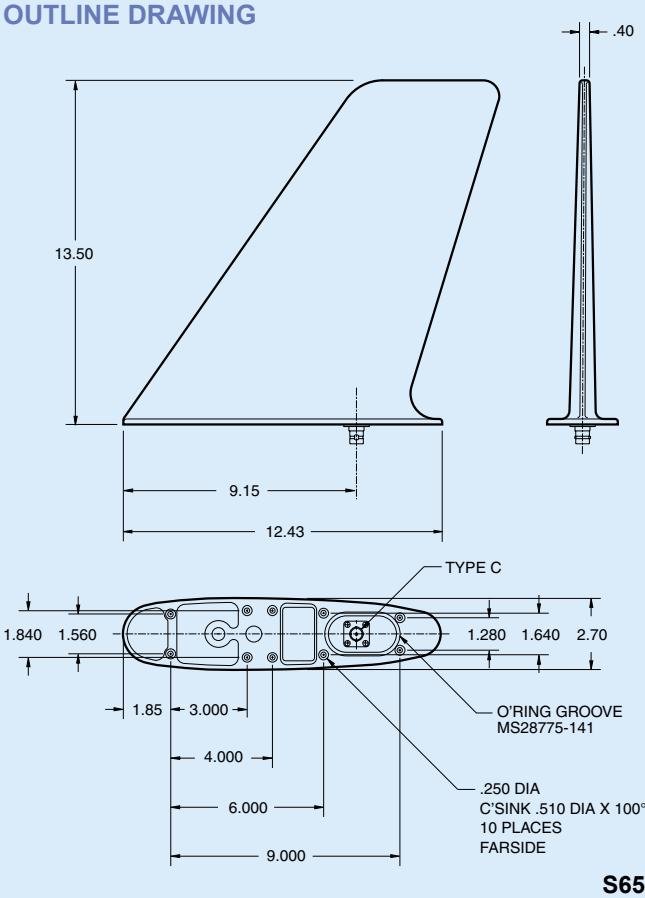
## PERFORMANCE




## SPECIFICATIONS

| | VHF S65-8262-12 |
|---|---|
| **ELECTRICAL** | |
| **Frequency** | 118-137 MHz |
| **VSWR** | 2.0:1 |
| **Pattern** | Omni/Az<br>Cos/El |
| **Polarization** | Vertical |
| **Impedance** | 50 ohms |
| **Power** | 100 watts |
| **Lightning Protection** | DC grounded |
| **MECHANICAL** | |
| **Weight** | 2.7 lbs. |
| **Height** | 13.50 in. |
| **Material** | A356-T61 aluminum casting |
| **Finish** | Skydrol resistant enamel |
| **Connector** | C |
| **Drag** | 1.8 lbs. Mach .85 @ 35,000 ft. |
| **ENVIRONMENTAL** | |
| **Side Load** | 12 psi |
| **Temperature** | -65°F to +185°F |
| **Vibration** | 14 G's |
| **Altitude** | 60,000 ft. |

## OUTLINE DRAWING

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