

# VHF/UHF S65-8262-Series



U.S. Patent 3,220,006

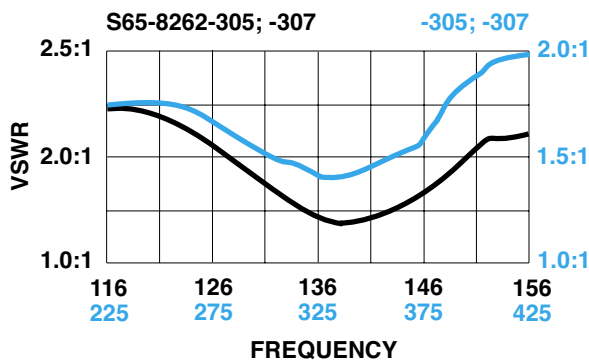
## DESCRIPTION

**S65-8262-305:** All metal, DC grounded to provide lightning protection. Eliminates "P" static. Broadband frequencies. Combines VHF/UHF 116-152/225-400 MHz communication in a single antenna. Meets AT-1108 specs. Hermetically sealed. For turbine powered aircraft.

**S65-8262-307:** Same as (-305) except for de-icing duct and footprint.

**FEDERAL & MILITARY SPECS:** FAA TSO C37b, C38b and C59. MIL-STD-810, MIL-E-5400, MIL-A-7772 (ASG), MIL-STD-810, MIL-A-9094, MIL-B-5087.

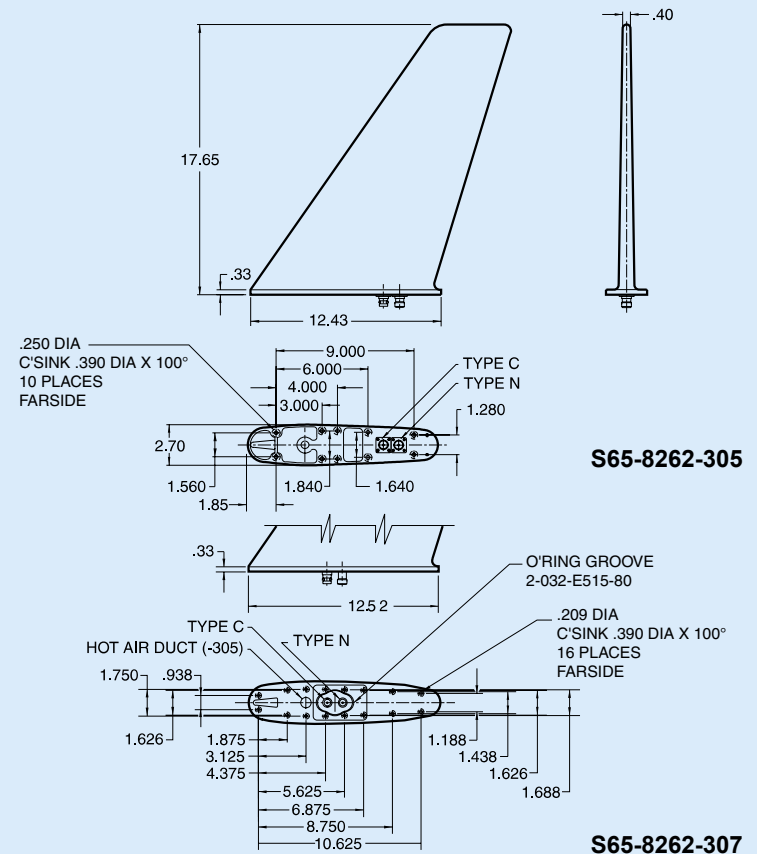
## PERFORMANCE



## SPECIFICATIONS

|                            | VHF                                        | UHF               |
|----------------------------|--------------------------------------------|-------------------|
|                            | Dual Freq.<br>S65-8262-305<br>S65-8262-307 |                   |
| <b>ELECTRICAL</b>          |                                            |                   |
| Frequency .....            | 116-152 MHz                                | 225-400 MHz       |
| VSWR .....                 | 2.0:1                                      | 2.6:1             |
| Pattern .....              | Omni/Az<br>Cos/EI                          | Omni/Az<br>Cos/EI |
| Polarization .....         | Vertical                                   | Vertical          |
| Impedance .....            | 50 ohms                                    | 50 ohms           |
| Power .....                | 100 watts                                  | 100 watts         |
| Isolation .....            | 20 dB                                      | 20 dB             |
| Lightning Protection ..... | DC grounded                                |                   |
| <b>MECHANICAL</b>          |                                            |                   |
| Weight .....               | 4.0 lbs. (-305)<br>4.5 lbs. (-307)         |                   |
| Height .....               | 17.65 in.                                  |                   |
| Material .....             | A356-T61 aluminum casting                  |                   |
| Finish .....               | Skydrol resistant enamel                   |                   |
| Connector .....            | C                                          | N                 |
| Drag .....                 | 2.5 lbs. Mach .85 @ 35,000 ft.             |                   |
| <b>ENVIRONMENTAL</b>       |                                            |                   |
| Side Load .....            | 12 psi                                     |                   |
| Temperature .....          | -65°F to +185°F                            |                   |
| Vibration .....            | 14 G's                                     |                   |
| Altitude .....             | 60,000 ft.                                 |                   |

## OUTLINE DRAWING



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