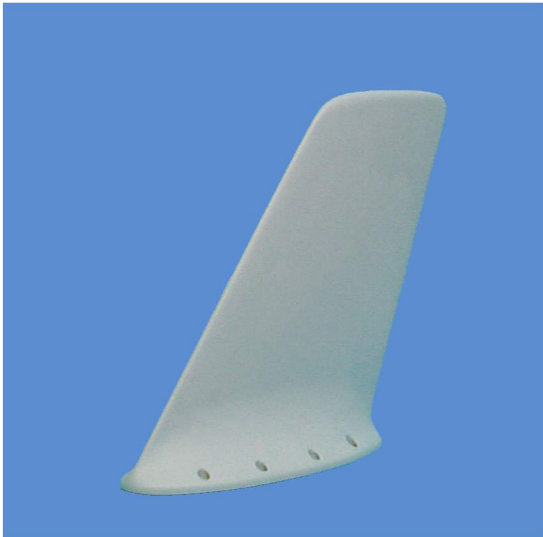


# VHF/UHF S65-8282-78



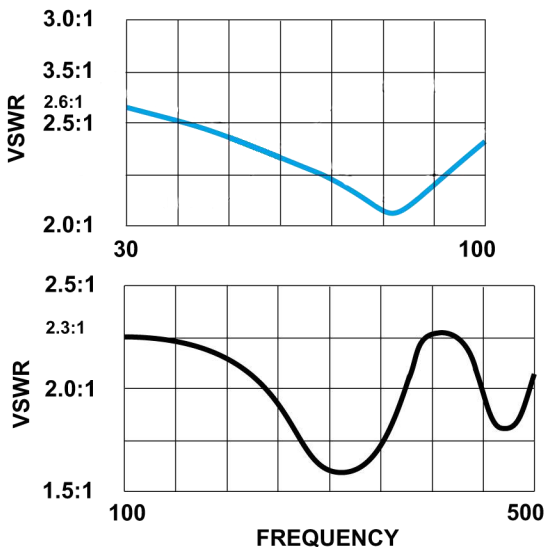
## DESCRIPTION

**S65-8282-78:** High speed, low-drag multi-function antenna. The broadband operational frequency of 30 to 512 MHz enables use in VHF/UHF systems. Antennas can be installed as a phase-matched pair for Direction Finding systems. Applications include C-130 installations.

**NSN:** 5985-01-565-1241

**FEDERAL & MILITARY SPECS:** MIL-E-5400H, MIL-E-5272C, MIL-A-7772B, MIL-STD-810D, MIL-A-9094A.

## PERFORMANCE



| SPECIFICATIONS       |                                   |
|----------------------|-----------------------------------|
| <b>ELECTRICAL</b>    |                                   |
| Frequency            | 30-512 MHz                        |
| VSWR                 | 2.6:1 (30-100)<br>2.3:1 (100-512) |
| Polarization         | Vertical                          |
| Pattern              | Omni/AZ; Cos/EL                   |
| Impedance            | 50 Ohms                           |
| Power                | 40 Watts                          |
| Lightning Protection | DC Grounded                       |
| <b>MECHANICAL</b>    |                                   |
| Weight               | 3 lbs.                            |
| Height               | 14.2 in.                          |
| Material             | 6061-T6 Aluminum/Glass            |
| Finish               | Skydrol Resistant Enamel          |
| Connector            | TNC                               |
| Drag                 | 2.0 lbs. Mach .85 @ 35,000 ft.    |
| <b>ENVIRONMENTAL</b> |                                   |
| Temperature          | -54°C (-65°C) to +71°F (+160°F)   |
| Vibration            | 10 G's                            |
| Side Load            | 6 PSI                             |
| Altitude             | 55,000 ft.                        |

