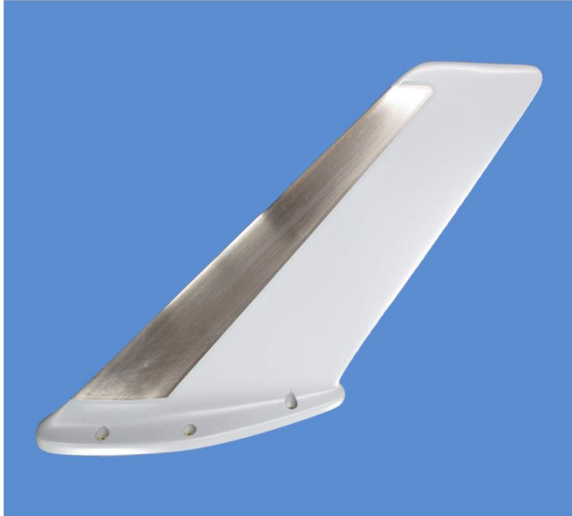


VHF/UHF S65-8282-34



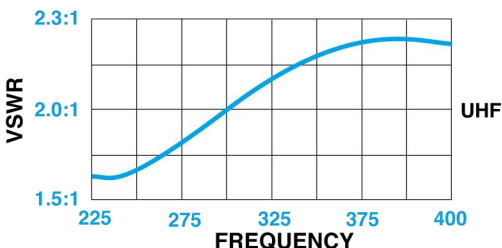
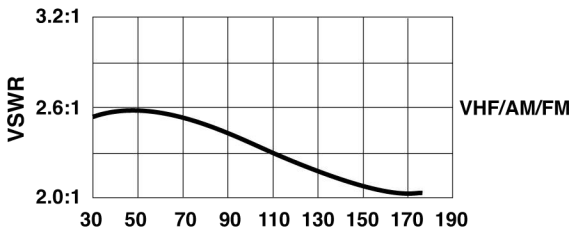
DESCRIPTION

S65-8282-34: VHF/AM/FM/UHF all metal antenna provides low VSWR over an operating band of 30-88, 108-174 and 225-400 MHz. It is designed for speeds up to Mach 2.0 with low drag. Its 6 hole bolt pattern is designed for universal mounting and is interchangeable with a Collins 37R-2U. This antenna is ideal for antenna replacement in existing systems that requires a dual frequency antenna capable of handling 40 Watts is required.

NSN: 5985-01-423-7202

Federal & Military Specs: FAA TSO-C37b, C38b and C59, MIL-A-7772 (ASG), MIL-E-5272H and MIL-E-5400.

PERFORMANCE



| SPECIFICATIONS | |
|-----------------------------|--|
| ELECTRICAL | |
| Frequency | 30-88 MHz (VHF/FM) 108-174 MHz (VHF/AM) 225-400 MHz (UHF) |
| VSWR | ≤ 2.3:1 (VHF/AM and UHF) ≤ 2.6:1 (VHF/FM) |
| Polarization | Vertical |
| Gain | -22 dBi (30-40 MHz), -23 dBi (45-60 MHz), -14 dBi (70-88 MHz), -8 dBi (108-120 MHz) -4 dBi (120-174 MHz) and 0 dBi min. (225-400 MHz) |
| Pattern | Omni/AZ; Cos/EL |
| Impedance | 50 Ohms |
| Power | 40 Watts (VHF) / 100 Watts (UHF) |
| Lightning Protection | DC Grounded |
| MECHANICAL | |
| Weight | 2.5 lbs. |
| Height | 11.85 in. |
| Length | 10.87 in. |
| Width | 3.30 in. |
| Drag | 1.0 lbs. Mach .85 @ 35,000 ft. |
| Material | A356-T61 Aluminum Alloy/Fiberglass |
| Finish | Skydrol Resistant Polyurethane Enamel |
| Connector | TNC Female |
| ENVIRONMENTAL | |
| Temperature | -54°C (-65°F) to +85°C (+185°F) |
| Altitude | 55,000 ft. |
| Vibration | 10 G's |
| Sideload | 6 PSI |
| Shock | 30 G's |

