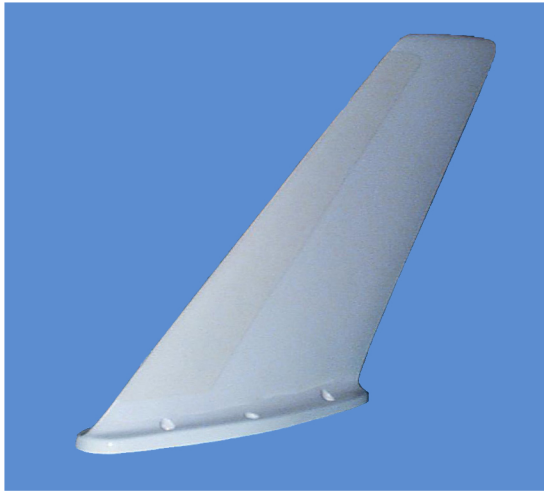


VHF/UHF/L-BAND S65-8282-330

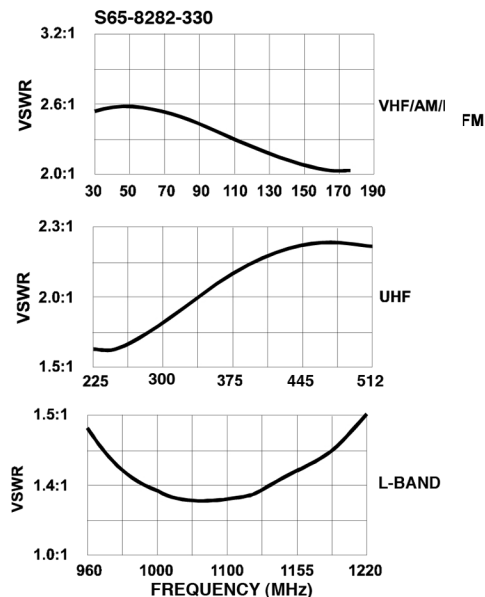


DESCRIPTION

S65-8282-330: High-power VHF/UHF/AM/FM and L-Band blade antenna capable of operating at 100 watts. Low-drag blade design for speeds up to Mach 1. Provides low VSWR over the operating band. The 6-hole bolt pattern is designed for universal mounting and is interchangeable with Collins 37R-2U or similar antennas. Hermetically-sealed and DC-grounded. Ideal for use in antenna replacement when a multi-frequency antenna is required.

FEDERAL & MILITARY SPECS: DO-160A, MIL-A-7772, MIL-E-5272, MIL-E-5400.

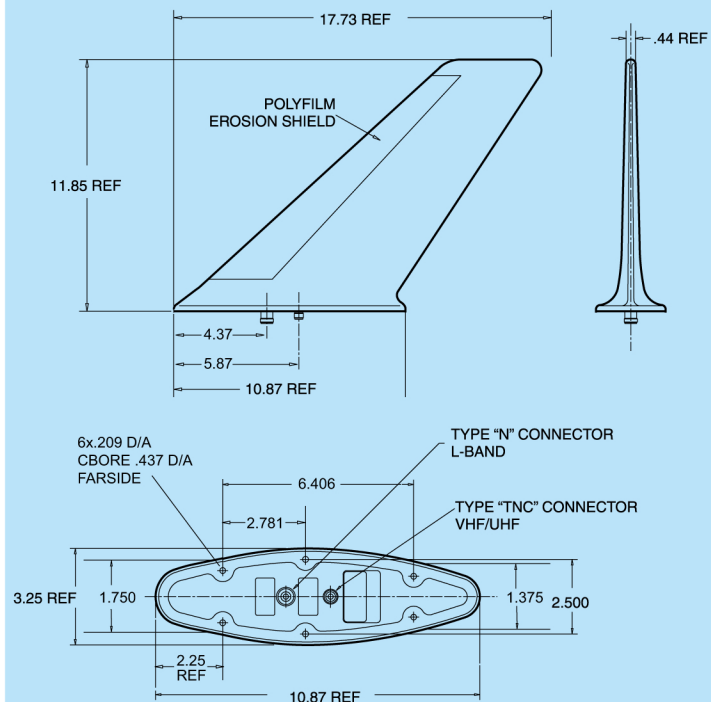
PERFORMANCE



| SPECIFICATIONS | VHF/FM | VHF/AM | UHF | L-BAND | |
|-----------------------------|---|-------------|-----------------|---------------|----------------|
| MODEL | S65-8282-330 | | | | |
| ELECTRICAL | | | | | |
| Frequency | 30-88 MHz | 108-174 MHz | 225 - 400 MHz | 400 - 512 MHz | 960 - 1030 MHz |
| | 1030 - 1090 MHz | | 1090 - 1220 MHz | | |
| VSWR | 2.6:1 | 2.3:1 | 2.3:1 | 2.0:1 | 2.0:1 |
| | 1.5:1 | | 2.0:1 | | |
| Pattern | Omnidirectional in Azimuth Cosinusoidal in Elevation | | | | |
| Polarization | Vertical | | | | |
| Impedance | 50 ohms | | | | |
| Power | 100 Watts | 100 Watts | 4000 | | |
| | 50% Duty Cycle | | Continuous | Watts Peak | |
| Lightning Protection | DC grounded | | | | |
| MECHANICAL | | | | | |
| Weight | 2.1 lbs | | | | |
| Height | 11.85 in. | | | | |
| Material | A356-T61 Aluminum Alloy / Fiberglass | | | | |
| Finish | Skydrol Resistant Enamel | | | | |
| Connector | TNC Female | | N Female | | |
| Drag | 1.0 lb. Mach .85 @ 35,000 ft. | | | | |
| ENVIRONMENTAL | | | | | |
| Temperature | -55°C (-67°F) to +85°C (+185°F) | | | | |
| Altitude | 60,000 ft. | | | | |

OUTLINE DRAWING

S65-8282-330



Note: Prior to installation, contact Sensor Systems for the latest engineering drawings.

Doc # DS S65-8282-330_B: MRKT **JC** ENG **RC** QC **DJ**



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