

# VHF/UHF/L-BAND AM/FM S65-8282-120



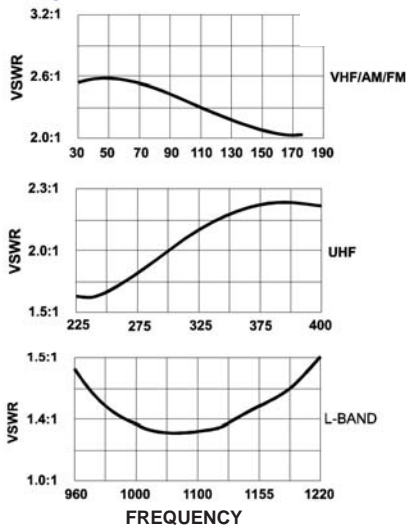
## DESCRIPTION

**S65-8282-120:** For speeds up to Mach 1.0 with low drag. Designed for use with AN/ARC-182 or similar VHF/AM/FM/UHF/L-Band transmitters at 30-88/108-174/225-400/960-1220 MHz. Provides low VSWR over operating band. Six-hole bolt pattern. Interchangeable with Collins 37R-2U or similar. Hermetically sealed. Designed for universal mounting. Ideal for antenna replacement in existing systems where a multi frequency antenna is required.

**NSN:** 5985-01-5798-8170

**FEDERAL & MILITARY SPECS:** FAA TSO-C37b, C38b, C74c, C66c(b), C59, and C112, DO-160A, MIL-A-7772, MIL-E-5272, MIL-E-5400.

## PERFORMANCE



| SPECIFICATIONS       | VHF/FM                         | VHF/AM      | UHF         | L-BAND       |
|----------------------|--------------------------------|-------------|-------------|--------------|
| <b>ELECTRICAL</b>    |                                |             |             |              |
| Frequency            | 30-88 MHz                      | 108-174 MHz | 225-400 MHz | 960-1220 MHz |
| VSWR                 | 2.6:1                          | 2.3:1       |             | 1.5:1        |
| Pattern              | Omni/AZ; Cos/EL                |             |             |              |
| Polarization         | Vertical                       |             |             |              |
| Impedance            | 50 Ohms                        |             |             |              |
| Power                | 40 w/cont                      | 40 w/cont   | 1000 w/pk   |              |
| Lightning Protection | DC Grounded                    |             |             |              |
| <b>MECHANICAL</b>    |                                |             |             |              |
| Weight               | 2.5 lbs.                       |             |             |              |
| Height               | 11.85 in.                      |             |             |              |
| Material             | Polyfilm / AL-A356-T61 / glass |             |             |              |
| Finish               | Skydrol Resistant Enamel       |             |             |              |
| Connector            | TNC                            |             | N           |              |
| Drag                 | 1.0 lb. Mach .85 @ 35,000 ft.  |             |             |              |
| <b>ENVIRONMENTAL</b> |                                |             |             |              |
| Side Load            | 6 psi                          |             |             |              |
| Temperature          | - 67°F to +185°F               |             |             |              |
| Vibration            | 10 G's                         |             |             |              |
| Altitude             | 55,000 ft                      |             |             |              |

