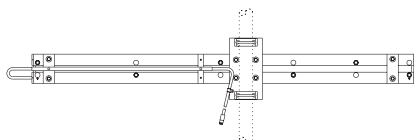
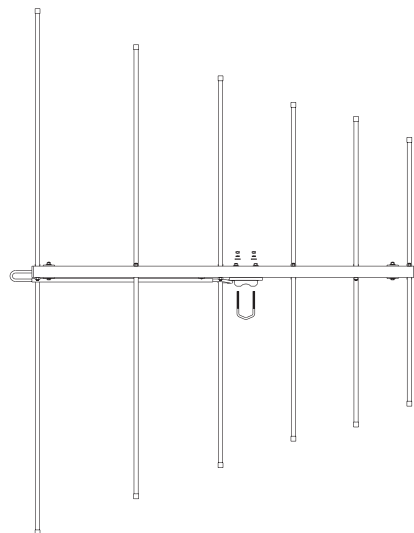


**SP-12246**  
VHF-TV LOG-PERIODIC ANTENNA  
8.2 dBd gain  
66–88 MHz (Channels 4–6)

**Specifications:**

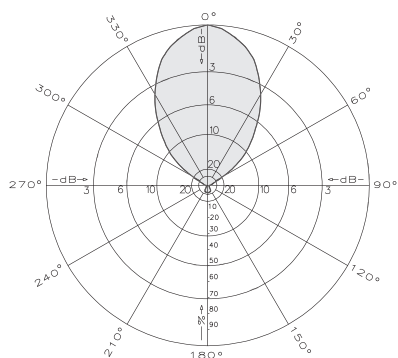
|                            |                                                       |
|----------------------------|-------------------------------------------------------|
| Frequency range            | 66–88 MHz (broadband)                                 |
| Gain                       | 8.2 dBd                                               |
| Impedance                  | 50 ohms                                               |
| VSWR                       | < 1.5:1                                               |
| Polarization               | Horizontal                                            |
| Front-to-back ratio        | >25 dB                                                |
| Maximum input power        | 1000 watts                                            |
| Azimuth pattern            | 54 degrees (half-power)                               |
| Elevation pattern          | 76 degrees (half-power)                               |
| Connector                  | 7/16 DIN female                                       |
| Wind survival rating*      | 120 mph (200 kph)                                     |
| Weight                     | 29 lb (13.2 kg)                                       |
| Dimensions                 | 93 x 68.2 x 9.9 inches<br>(2363 x 1733 x 252 mm)      |
| Equivalent flat plate area | 4.5 ft <sup>2</sup> (0.418 m <sup>2</sup> )           |
| Shipping dimensions        | 84 x 10 x 6 inches<br>(2134 x 254 x 153 mm)           |
| Shipping weight            | 36 lb (16.3 kg)                                       |
| Mounting                   | Center-mount for masts of 2.375 inches<br>(60 mm) OD. |

\* Mechanical design is based on environmental conditions as stipulated in EIA-222-F (June 1996) and/or ETS 300 019-1-4 which include the static mechanical load imposed on an antenna by wind at maximum velocity. See the Engineering Section of the catalog for further details.

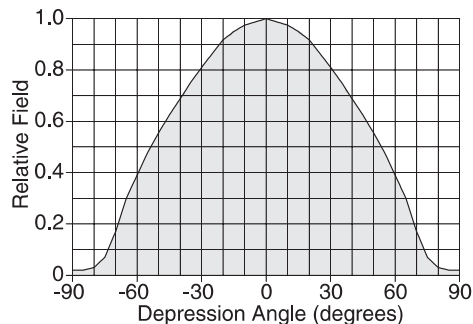


**Order Information:**

| Model    | Description                          |
|----------|--------------------------------------|
| SP-12246 | Antenna with 50 Ω 7/16 DIN connector |



**Azimuth pattern (E-plane)**



**Elevation pattern (H-plane)**



10887-A

All specifications are subject to change without notice

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