

## EM-7100 | Horn Antenna Kit



### Description

The EM-7100 horn antenna kit features the EM-7102 (1GHz-18GHz | Dual Ridge Horn), the EM-7103 (18GHz-26.5GHz | Standard Gain Horn), and the EM-7104 (26.5GHz-40GHz | Standard Gain Horn) antennas covering the frequency range of 1GHz to 40GHz.

Each EM-7100 Horn Kit includes individual calibration data for Gain and Antenna Factor at 1m for each antenna. Each kit also includes a rugged case with custom-cut foam.

### Specifications

#### Electrical

|                         |                  |
|-------------------------|------------------|
| <b>Frequency Range:</b> | 1GHz – 40GHz     |
| <b>Polarization:</b>    | Linear, Vertical |
| <b>Impedance:</b>       | 50Ω, Nominal     |
|                         |                  |

#### Kit Contents

|                                     |
|-------------------------------------|
| EM-7102   1GHz-18GHz, Type 'N'      |
| EM-7103   18GHz-26.5GHz, SMA        |
| EM-7104   26.5GHz-40GHz, 2.92mm 'K' |

#### Mechanical

|                | EM-7102             | EM-7103           | EM-7104          |
|----------------|---------------------|-------------------|------------------|
| <b>Length:</b> | 23.5 cm (9.25 in.)  | 7.7 cm (3.03 in.) | 7.2 cm (2.8 in.) |
| <b>Width:</b>  | 24.1 cm (9.5 in.)   | 5.2 cm (2.05 in.) | 4.3 cm (1.7 in.) |
| <b>Height:</b> | 17.15 cm (6.75 in.) | 3.2 cm (1.26 in.) | 2.7 cm (1.1 in.) |
| <b>Weight:</b> | 1.15 kg (2.2 lbs.)  | 60g (0.13 lbs.)   | 45g (0.10 lbs.)  |

Specifications subject to change without notice, unless otherwise specified. Product is manufactured in Johnstown, NY, U.S.A.

