HRN-0118 Horn Antenna

Product Overview
The TDK HRN-0118 Horn Antenna is a wide band, double-ridged horn used to transmit and receive microwave signals over the frequency range of 1 GHz to 18 GHz.

The HRN-0118 generates high electric fields required for radiated immunity and emissions measurements, and features high gain, low VSWR, moderate power handling (500W), and a robust mechanical design.

Features
- Operating frequency of 1 GHz to 18 GHz
- High gain
- Low VSWR
- Robust mechanical design

Applications
- Emissions testing
- Immunity testing

Options
- Antenna Tripod TRI-150R
  The TDK TRI-150R antenna tripod is a manually adjusted tripod (100 cm to 150 cm) designed for quick and easy mounting in EMC test environments.
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**Electrical Characteristics**

- **Frequency Range**: 1 GHz to 18 GHz
- **VSWR**: <1.5:1 average
- **Polarization**: Linear
- **Power Handling**: 500W
- **Feedpoint Impedance**: 50 ohms (nominal)

**Antenna Data**

- **Gain**:
  - 3m Horizontal
- **Antenna Factor**:
  - Frequency (GHz)

**Mechanical Specifications**

- **Width**: 23.4 cm (9.21 in)
- **Depth**: 29 cm (11.54 in) with mounting bracket
  - 21 cm (8.27 in) without mounting bracket
- **Height**: 14.5 cm (5.71 in)
- **Weight**: 1.9 kg (4.2 lbs) with mounting bracket
- **Construction**: Aluminum with a gold chromate finish
- **RF Connector**: Type N female

**Ordering Information**

- **Product**: Horn Antenna
- **Model Number**: HRN-0118
- **Warranty**: 1 year limited

To place an order or to learn more about the TDK products that best meet your needs, contact your TDK sales representative:

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