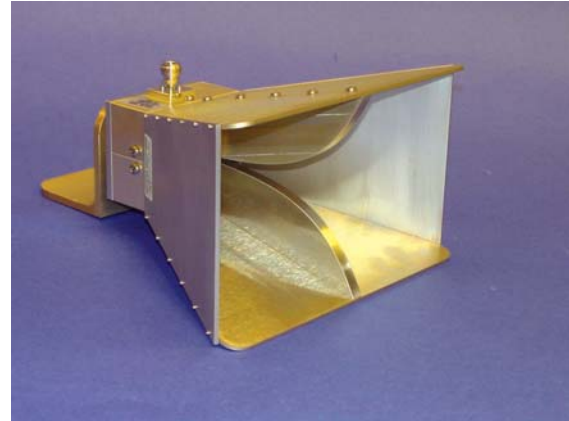


HRN-0118 Horn Antenna

Product Overview

TDK RF Solutions' 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 (300W), and a robust mechanical design.



Antenna Features

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

Applications

- Immunity testing
- Emissions testing

TDK RF Solutions' HRN-0118 Horn Antenna is designed specifically for radiated emissions and immunity measurements in EMC test environments. The HRN-0118 provides optimal performance over the frequency range of 1 GHz to 18 GHz.

Options

- **Antenna Tripod TRI-150R**

TDK RF Solutions' TRI-150R antenna tripod is a manually adjusted tripod (100 cm to 150 cm) designed for quick and easy mounting in EMC test environments.

HRN-0118 Horn Antenna

Electrical Specifications

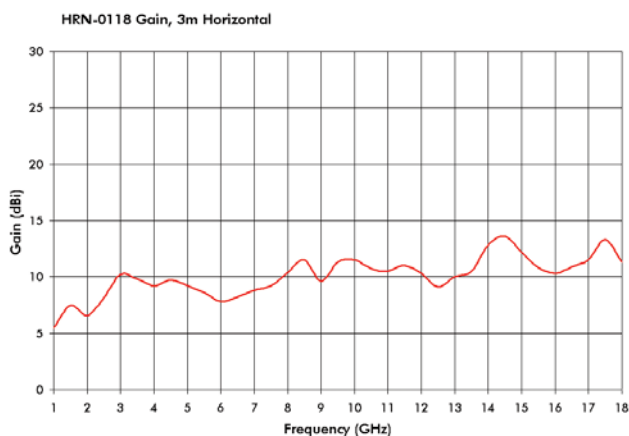
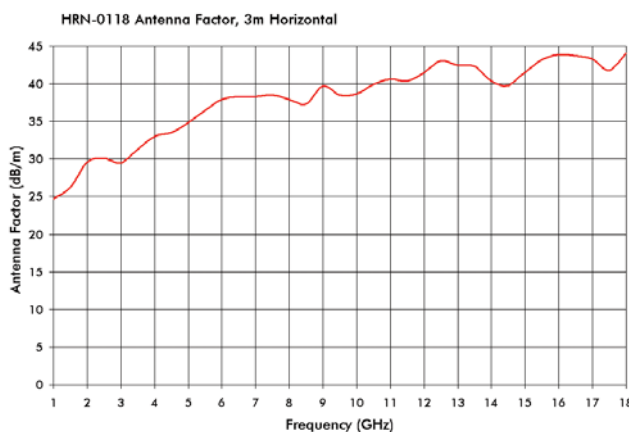
| | |
|----------------------|-------------------|
| Frequency Range: | 1 GHz to 18 GHz |
| VSWR: | <1.5:1 average |
| Polarization: | Linear |
| Power Handling: | 300W |
| Feedpoint Impedance: | 50 ohms (nominal) |

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 RF Solutions products that best meet your needs, contact your TDK sales representative:

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