

# 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.

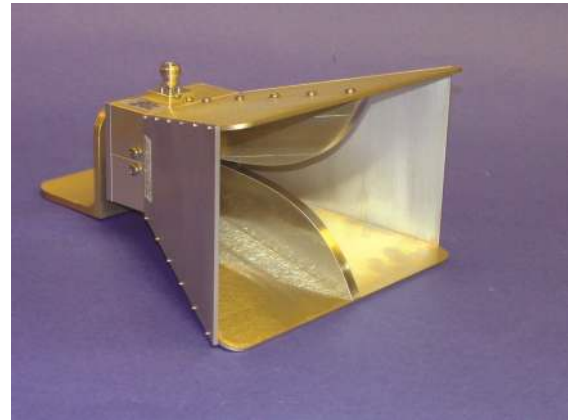
The HRN-0118 generates high electric fields required for radiated immunity and emissions measurements, and features high gain, low VSWR, moderate power handling (500W), and a robust mechanical design.

## Features

- Operating frequency of 1 GHz to 18 GHz
- High gain
- Low VSWR
- Robust mechanical design
- Includes typical/average ANSI C63.5 data

## Applications

- Emissions testing
- Immunity testing



**The TDK 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

- ISO/IEC 17025 accredited calibration
- 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.
- Antenna Tripod TRI-350R: The TDK TRI-350R antenna tripod is a lightweight, manually adjusted tripod (65 cm to 160 cm) designed for quick and easy mounting and portability in EMC test environments.

# HRN-0118 Horn Antenna

## Electrical Characteristics

Frequency Range:	1 GHz to 18 GHz
VSWR:	<1.5:1 average
Polarization:	Linear
Power Handling:	
Max continuous power:	1-6 GHz: 500W; 6-18GHz: 300W
Max peak power (<10% duty cycle):	2000W
Feedpoint Impedance:	50 ohms (nominal)

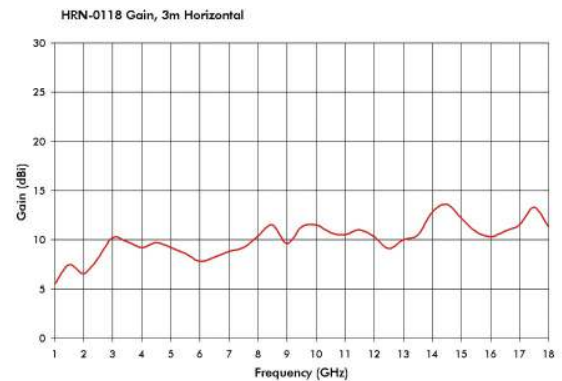
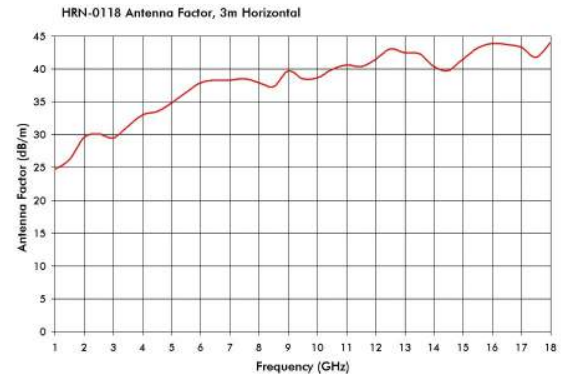
## Mechanical Specifications

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

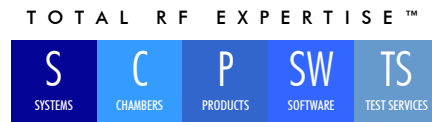
Product:	Horn Antenna
Model Number:	HRN-0118
Warranty:	1 year limited

## Antenna Data



**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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