

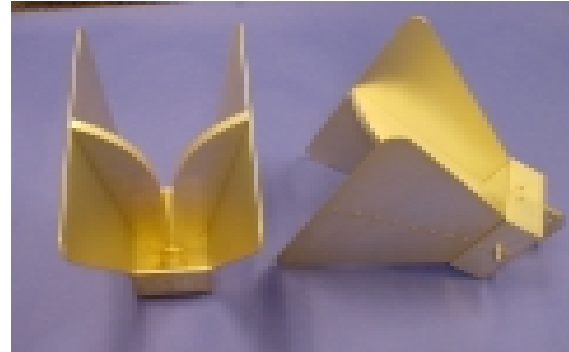
# HRN-5005 Horn Antenna

## Product Overview

TDK RF Solutions' HRN-5005 Horn Antenna is a wide band, double-ridged horn used to transmit and receive microwave signals over the frequency range of 500 MHz to 5 GHz.

**Excellent Performance** The HRN-5005 generates high electric fields required for radiated immunity and emissions measurements, and features high gain, low VSWR, excellent cross-polarization rejection, and moderate power handling (500W).

**Robust Construction** The HRN-5005 is precision built to very tight tolerances and features an ultra-robust mechanical design, resilient gold chromate finish, and a highly durable feed to withstand the rigors of daily use in EMC test environments. The antenna can be mounted on a conventional antenna tower or on TDK's Heavy Duty Tripod.



**TDK RF Solutions' HRN-5005 Horn Antenna is designed specifically for radiated emissions and immunity measurements. The HRN-5005 provides optimal performance over the frequency range of 500 MHz to 5 GHz.**

## Antenna Features

- Operating frequency of 500 MHz to 5 GHz
- High gain
- Low VSWR
- Excellent cross polarization rejection
- 500W (continuous) power handling
- Robust mechanical design

## Applications

- Immunity testing
- Emissions testing

## Options

- **Heavy Duty Antenna Tripod TRI-01HD**  
TDK RF Solutions' TRI-01HD heavy duty antenna tripod is a manually adjusted, non-conductive tripod designed for quick and easy mounting of antennas in EMC test environments.

# HRN-5005 Horn Antenna

## Mechanical Specifications

Overall Size:	
Width:	46 cm (18 in.)
Depth:	50 cm with mounting bracket (19.5 in.) 40 cm without bracket
Height:	28 cm (11 in.)
Weight:	9 kg (20 lbs.)
Construction:	Aluminum with a gold chromate finish
RF Connector:	Type N female

## Electrical Specifications

Frequency Range:	500 MHz to 5 GHz
VSWR:	<1.5:1 average
Polarization:	Linear
Power Handling:	500W (continuous)
Feedpoint Impedance:	50 Ohms (nominal)

## Ordering Information

Product:	Horn Antenna
Model Number:	HRN-5005
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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