

HD3-915  
 HD3-868

## HD3 SERIES LOW PROFILE HEAVY DUTY ISM ANTENNA



- Sleek profile with small SMA connectors
- Models for ISM or RFID applications
- Designed to work with a Ground Plane

### PRODUCT OVERVIEW

These heavy duty low profile ISM antennas are designed for fixed M2M applications. This HD3-915 antenna operates in the frequency range of 902-928 MHz, and the HD3-868 antenna operates in the frequency range of 868-870 MHz; both with a peak gain of 3 dBi.

These antennas are low profile and are ideal for providing ISM M2M capability in environments where the antenna is regularly subjected to physical wear and tear.

Measuring only .50" (1.27 cm) high and 3.52" (8.94 cm) in diameter, the HD3-915 is a compact antenna that can easily be mounted to almost any surface.

There is a 5/8 - 18x .50 threaded stud at the base of the antenna where it is mounted, and standard Rg-58 cable with an SMA plug is routed through for connection.

The product comes standard with 3 feet (91.4 cm) of cable, but custom cable lengths are available. These heavy duty ISM antennas are enclosed in a heavy-duty radome made out of black ASA plastic, which provides a durable housing that is also UV resistant.

The HD3-915 and HD3-868 are designed to work with a Ground Plane.

### HD3 SERIES SPECIFICATIONS

<b>Frequency</b>	<b>HD3-915</b> <b>HD3-868</b>	902 - 928 MHz 868 - 870 MHz
<b>Gain</b>		3 dBi peak
<b>VSWR</b>		less than 2:1
<b>Impedance</b>		50 Ohm nominal
<b>Maximum Power</b>		10 watts
<b>Operating Temp</b>		-40°C to +80°C
<b>Polarization</b>		Vertical
<b>Dimensions</b>		.625" H x 3.52" W ( 1.59cm x 8.94cm )
<b>Radome Material</b>		Black ASA UV Resistant
<b>Mounting</b>		5/8 - 18 x .50 threaded stud
<b>Net Weight</b>		8 oz ( 226g )
<b>Pigtail Cable</b>		RG-58, 1 foot ( 30.5cm ) request longer lengths at time of order
<b>Pigtail Connector</b>		SMA Plug ( Male ) others Available, Please Specify
<b>Shock &amp; Vibration</b>		EN 61373, IEEE1478, MIL-810G
<b>Water Ingress</b>		IP67