

## HD3-915 Low Profile Heavy Duty ISM Antenna



ISM Antenna

- 902-928 MHz antenna with durable overmolded radome
- Designed to be surface mounted
- Ground plane independent

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.

Impact from a car tire passing overhead or damage caused by an animal in an agricultural setting are examples of durability tests that this antenna is designed to handle.

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 5/8-24 x .50 threaded stud at the base of the antenna where it is mounted, and standard low loss-195 cable with an SMA plug is routed through for connection.

The product comes standard with 3 feet (9.14 cm) of cable, but custom cable lengths are available.

These heavy duty ISM antennas are enclosed in an overmolded radome made out of black ABS plastic, which provides a durable housing that is also UV resistant.

The HD3-915 and HD3-868 are groundplane independent, meaning there is no ground plane requirement for proper operation.

Model #	Frequency
HD3-915-3C-BLK-36	902-928 MHz
HD3-868-3C-BLK-36	868-870 MHz
Model numbers indicates 36" of Cable - 3Ft	
Available in black only	

Specifications			
Frequency:		Net Weight:	8oz (1/2 lbs) (226g)
HD3-915	902-928 MHz	Pigtail Cable :	Low Loss-195, 1 foot (30.5cm) request longer lengths at time of order
HD3-868	868-870 MHz	Pigtail Connector:	SMA Plug (Male), others available, please specify
Gain:	3 dBi peak	Shock & Vibration:	EN 61373, IEEE1478, MIL-810G
VSWR:	Less than 2:1	Water Ingress:	IP67
Operating Temp:	-40° to +80° C		
Nominal Impedance:	50 Ohm nominal		
Maximum Power:	10 watts		
Polarization:	Vertical		
Radome/Mount:	.50" H x 3.52" W (1.27cm x 8.94 cm)		
Radome Material:	Black ABS Plastic		
Mounting:	5/8 - 18 x .50 threaded stud		