

# KMA-915-5-NF

## 902-928 MHz Omnidirectional Kinetic Mesh® Antenna

The 902-928 MHz omnidirectional Kinetic Mesh Antenna consists of a half-wave dipole encapsulated in a heavy duty fiberglass radome with a thick walled mounting base for reliable long term use. The rugged design allows the antenna to withstand harsh environments and is ideal for industrial and military wireless applications. The antenna is DC grounded for ESD protection of radio components.



### KMA-915-5-NF Benefits

- 5 dBi gain
- Type N (female) connector
- Fully sealed IP67 (6: Dust-tight, 7: Waterproof) design
- UV stable, white fiberglass radome 1.05" (26.7 mm) diameter
- DC grounded design
- Heavy duty mount included

### Technical Data

<b>Maximum Power</b>	150 Watt
<b>Nominal Impedance</b>	50 Ohm
<b>VSWR</b>	< 1.5:1
<b>Radome Material</b>	Pultruded white fiberglass
<b>ESD Protection</b>	DC grounded
<b>Rated Wind</b>	100 mph (161 km/h)
<b>Connector</b>	Type N (female)
<b>Mounting Hardware</b>	Heavy duty mount included

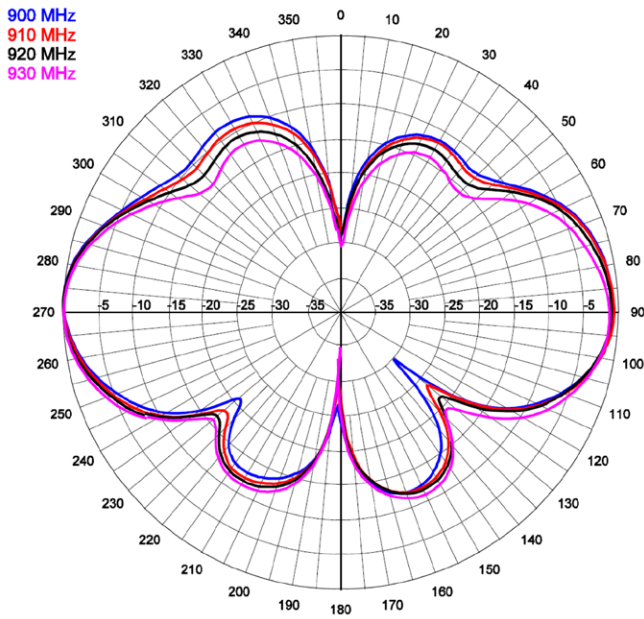
### RF/Electrical Specifications

<b>Rajant Part Number</b>	75-100140-501
<b>Model</b>	KMA-915-5-NF
<b>Frequency Range</b>	902-928 MHz
<b>Nominal Gain</b>	5 dBi
<b>Return Loss</b>	> 14 dB
<b>E-Plane Beamwidth</b>	40°
<b>Connector Type</b>	N female

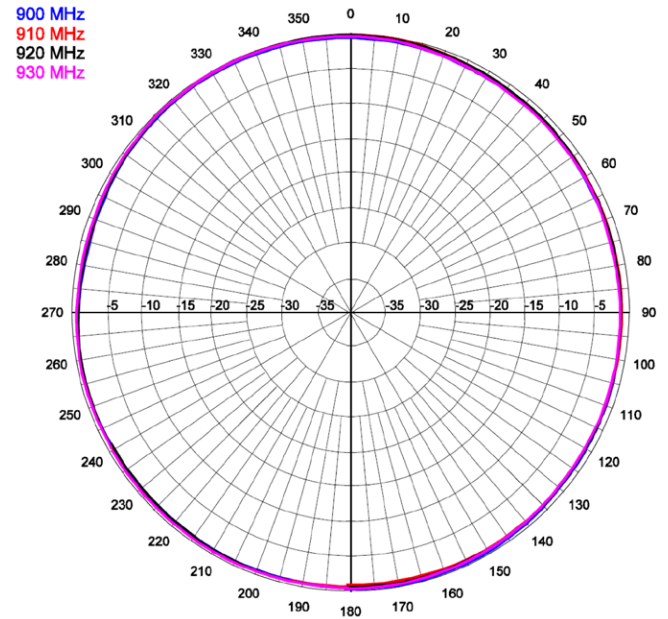
### Mechanical Specifications

<b>Rajant Part Number</b>	75-100140-501
<b>Model</b>	KMA-915-5-NF
<b>Weight</b>	1.25 lbs (567 g)
<b>Height</b>	23.25" (59.06 cm)
<b>Bending Moment at Rated Wind</b>	4.7 ft-lbf (6.4 Nm)
<b>Rated Wind Load</b>	4.3 lbf (19.1 N)
<b>Equivalent Flat Plate Area</b>	0.12 ft <sup>2</sup> (111 cm <sup>2</sup> )

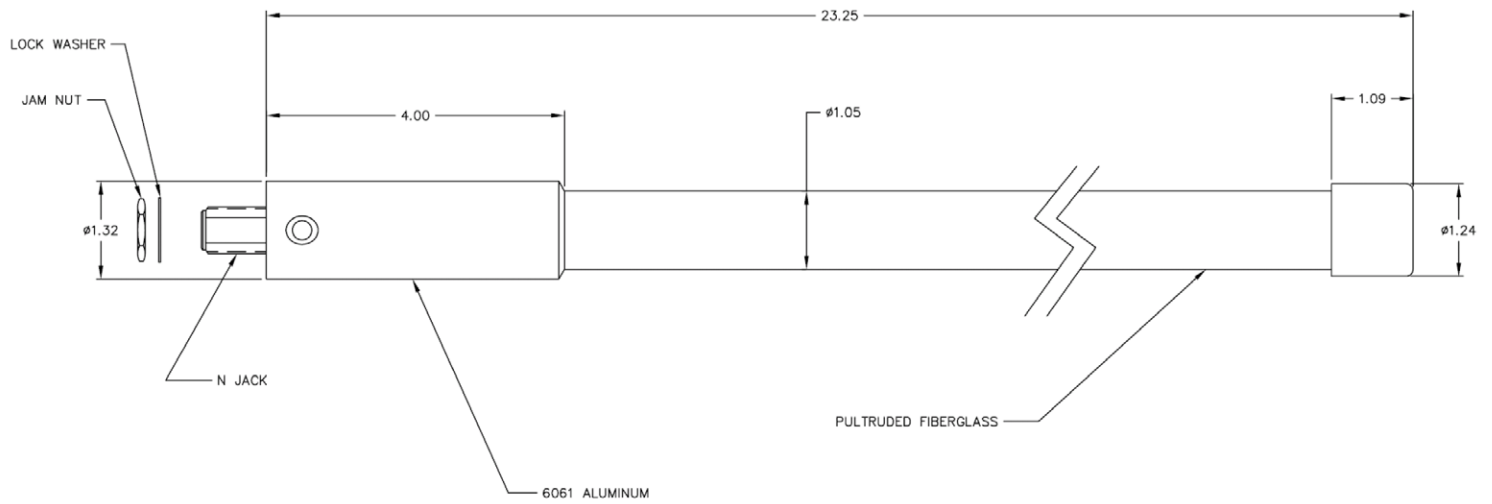
### E-Plane Radiation Pattern



### H-Plane Radiation Pattern



### KMA-915-5-NF Dimensions



Unless otherwise specified dimensions are in inches.  
1 inch = 2.54 cm