

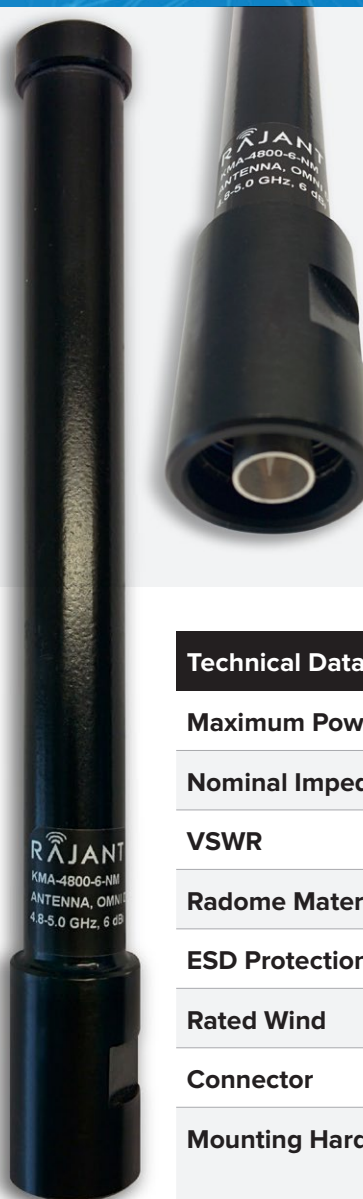
KMA-4800-6

4.8–5.0 GHz Omnidirectional Kinetic Mesh® Antenna

The 4.8–5.0 GHz omnidirectional Kinetic Mesh antenna consists of a linear array, 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 military and first responder band wireless applications. The antenna is DC grounded for ESD protection of radio components.

KMA-4800-6 Benefits

- 6 dBi gain
- Type N (male or female) connector
- Fully sealed IP67 (6: Dust-tight, 7: Waterproof) design
- UV stable, black fiberglass radome 0.64" (16.3 mm) diameter
- Black chrome plated mounting base
- DC grounded design



07-100003-001/BAM1013 mount (above)

75-100139-001/KMA-4800-6-NM connector view (left)

Technical Data

Maximum Power	250 Watt
Nominal Impedance	50 Ohm
VSWR	< 1.5:1
Radome Material	Pultruded fiberglass
ESD Protection	DC grounded
Rated Wind	150 mph (241 km/h)
Connector	Type N (male or female)
Mounting Hardware	07-100003-001/BAM1013 included with the Type N male connector option

RF/Electrical Specifications

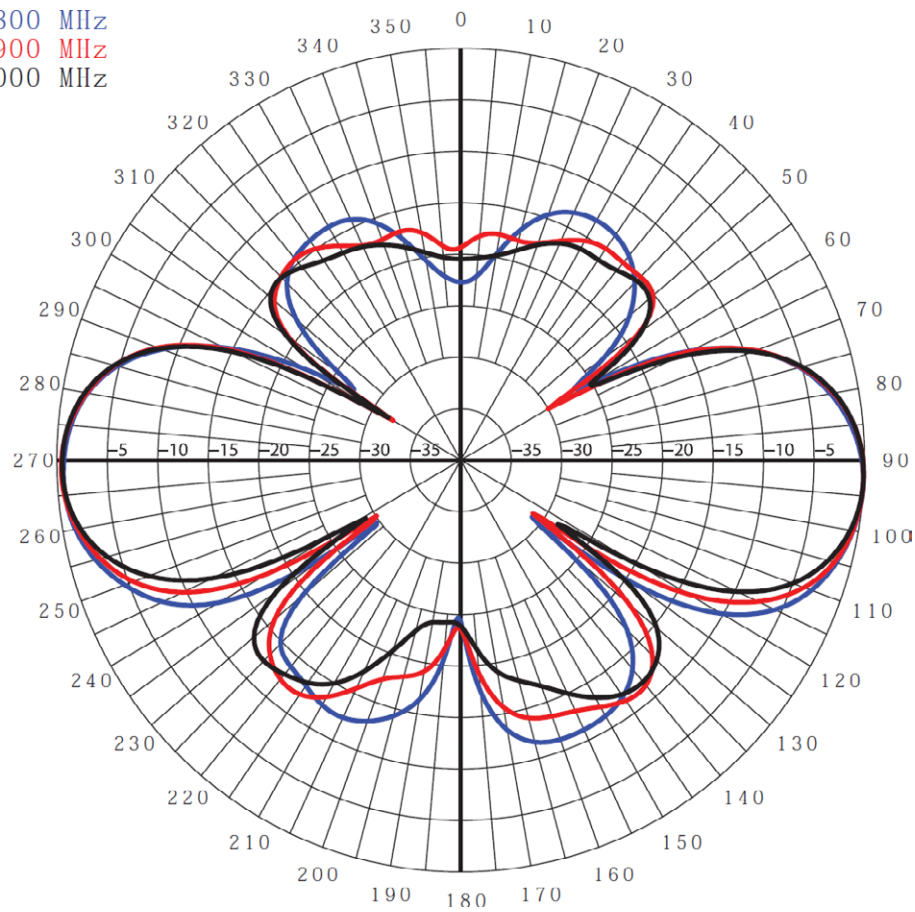
Rajant Part Number	Model	Frequency Range	Nominal Gain	Return Loss	E-Plane Beamwidth	Connector Type
75-100139-001	KMA-4800-6-NM	4.8–5.0 GHz	6 dBi	> 14 dB	28°	N male
75-100140-048	KMA-4800-6-NF	4.8–5.0 GHz	6 dBi	> 14 dB	28°	N female

Mechanical Specifications

Rajant Part Number	Model	Weight	Height	Rated Wind Load	Bending Moment at Rated Wind	Equivalent Flat Plate Area
75-100139-001	KMA-4800-6-NM	3 oz (85.0 g)	7.03" (17.86 cm)	1.9 lbf (8.5 N)	0.56 ft-lbf (0.76 Nm)	0.023 ft² (21.4 cm²)
75-100140-048	KMA-4800-6-NF	3 oz (85.0 g)	7.23" (18.36 cm)	1.9 lbf (8.5 N)	0.56 ft-lbf (0.76 Nm)	0.023 ft² (21.4 cm²)

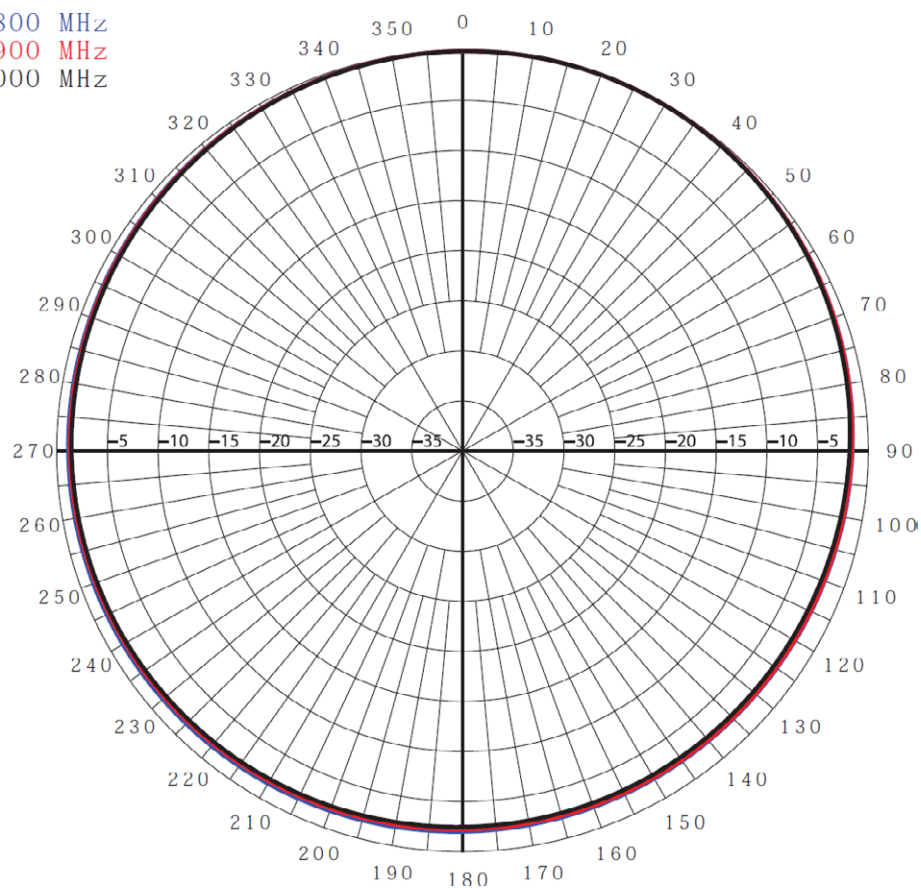
E-Plane Radiation Pattern

4800 MHz
4900 MHz
5000 MHz

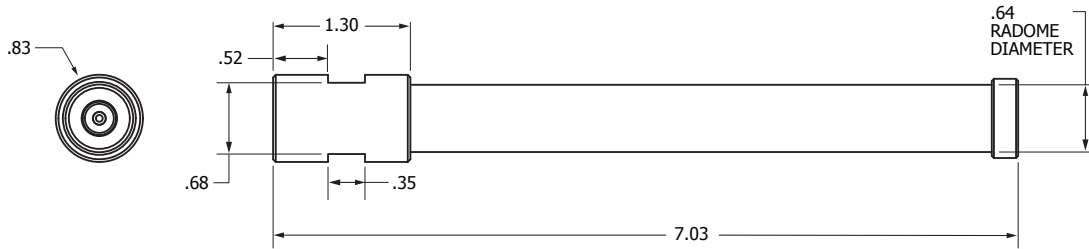


H-Plane Radiation Pattern

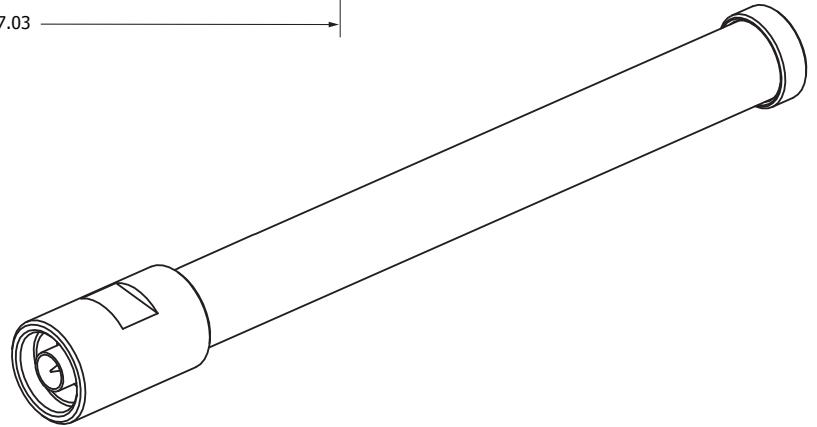
4800 MHz
4900 MHz
5000 MHz



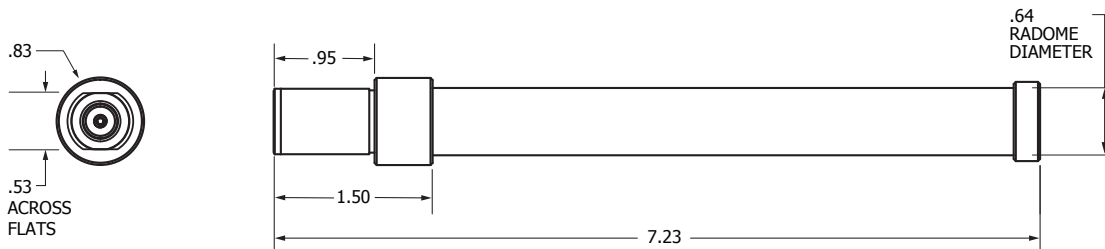
KMA-4800-6-NM Dimensions



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



KMA-4800-6-NF Dimensions



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

