

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.



- 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)

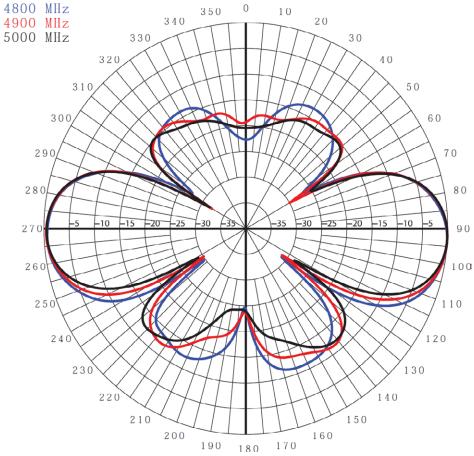
75-100139-001/KMA-4800-6-NM connector view (left)

Technical Data	
Maximum Power	250 Watt
Nominal Impedance	50 0hm
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

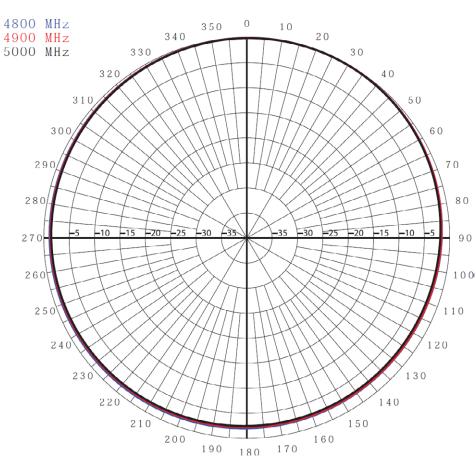
RF/Electrical Specifications									
Rajant Part Number	Model	Frequency Range	Nominal Gain	Return Loss	E-Plane Beamwidth	Connector Type			
75-100139-001	KMA-4800-6-NM	4.8–5.0 GHz	6 dBi	> 14 dB	28°	N male			
75-100140-048	KMA-4800-6-NF	4.8–5.0 GHz	6 dBi	> 14 dB	28°	N female			

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 ft ² (21.4 cm ²)		
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 ft ² (21.4 cm ²)		

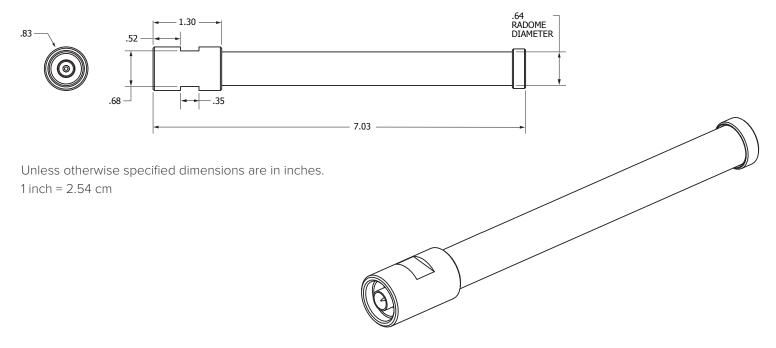




H-Plane Radiation Pattern



KMA-4800-6-NM Dimensions



KMA-4800-6-NF Dimensions

