

ROSA-902-5-SNF *Omni Antenna for 902-908 MHz*



The ROSA-902-5-SNF is an omni-directional high performance antenna for the 900MHz ISM band. This antenna is collinear designs enclosed in a high density fiberglass, which is covered with a protective ultraviolet inhibiting coating. The radiating elements are made from high efficiency copper and are carefully phased to provide maximum gain in the horizontal plane. The mounting sleeves are tuned to eliminate RF currents from the transmission line, resulting in a “cold” sleeve allowing great freedom in mounting. This high quality and well-focused beam provides the highest gain and best efficiency.

- Every fiberglass base antenna is tested on a network analyser before shipping to assure the best performance.
- Special UV treated - stands up to the sun.
- Durable gold anodized sleeve and cap with N female connector
- Custom tuning available

The omnidirectional outdoor antenna applications used by private organizations and government agencies around the globe. Typical applications include land based and marine radio and data transmissions for public safety agencies, commercial organizations, and the military.



900 MHz

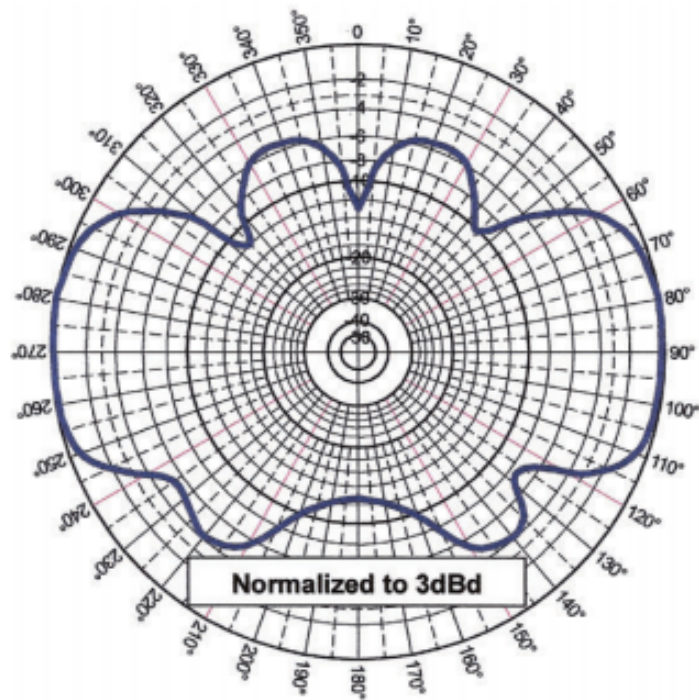


ELECTRICAL DATA

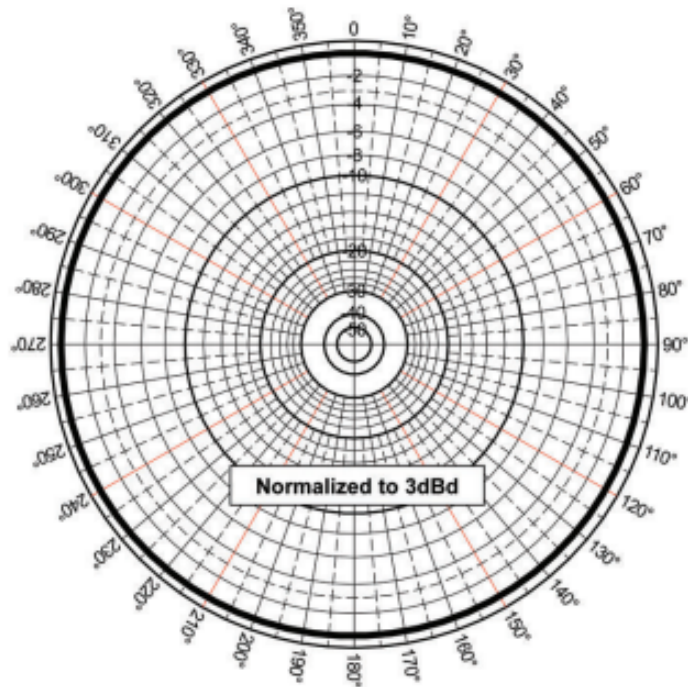
Frequency Range	902 - 928 MHz
VSWR	< 2:1 Max
Nominal Gain	5 dBi (3 dBd)
Maximum Power	200 W
Nominal Impedance	50
Polarization	Vertical
Pattern	Omnidirectional
Half-Power Beamwidth (Coverage Pattern)	Horizontal: 360 Vertical: 70
Coaxial Cable Length & Type	None
Termination	N Female connector
Lightning Protection	Lightning Arrestor Sold separately

MECHANICAL DATA

Height	23-3/8"
Diameter	1.310"
Weight	< 1 lbs
Rated Wind Velocity	125 mph (210 kph)
Rated Wind Velocity (with 0.5" radial ice)	85 mph (137 kph)
Lateral Thrust @ 125 mph wind velocity	57 lbs (26 kg)
Wind Resistance	0.2104 sq. ft.
Mounting Information	ROSA-HDM1 Mounting Kit (Sold separately)



Elevation Pattern (Y, Z, or H-plane)



Azimuthal Pattern (Y, Z, or E-plane)