

HCR8819M3

Rotatable Shell Omni-Dorectional Antenna 880-960 MHz/ 1710-1880 MHz / 1850-1990 MHz

The HCR Rotatable Shell Omnidirectional Antenna is a tough low-profile antenna for outdoor or indoor applications.

This antenna provides frequency agility, low visibility wide bandwidth and a low angle radiation pattern that is superior to traditional gain antennas in most applications. The HCR Rotatable Shell Omnidirectional Antenna is available in various industry standard mounting configurations including a threaded permanent stud mount model for vandal resistant mounting on brackets, panels, ceilings or any other kind of housing.

FEATURES AND BENEFITS

- Multi-band operation: 824-894 MHz/1710-1880 MHz/1850-1990 MHz
- Meets IP67 protection rating for dust tight seal and temporary water immersion
- Permanent mount provides vandal resistant protection for remote installations
- Conformance to RoHS

ELECTRICAL SPECIFICATION			
Operating Frequency (MHz)	880-960	1710-1880	1850-1990
Gain, dBi (Max)	2.3	3.0	3.1
VSWR, max	2.0:1		
Nominal Impedance (Ohms)	50		
Max Power - Ambient 25°C (W)	50		
Polarization	Vertical (linear)		
Azimuth Beamwidth	360°, Omnidirectional		

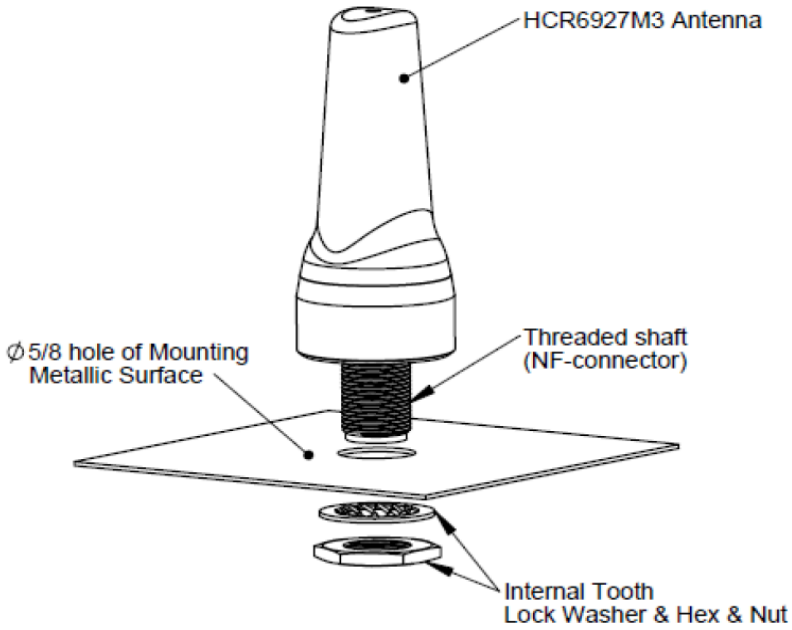
MECHANICAL SPECIFICATION	
Dimensions – diameter x height – mm (inches)	36.5 x 83.8 (1.43 x 3.3)
Weight – kg (lbs.)	0.106 (0.23)
Radome Material	PC, UV Stable, UL 94V0 Material

ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature – °C (°F)	-30° C to +70° C (-22° F to 158° F)
Storage Temperature – °C (°F)	- 40° C to +85° C (-40° F to 185° F)
Wind Survival – km/hr (mph)	282 (175)
Material Substance Compliance	RoHS

CONFIGURATION

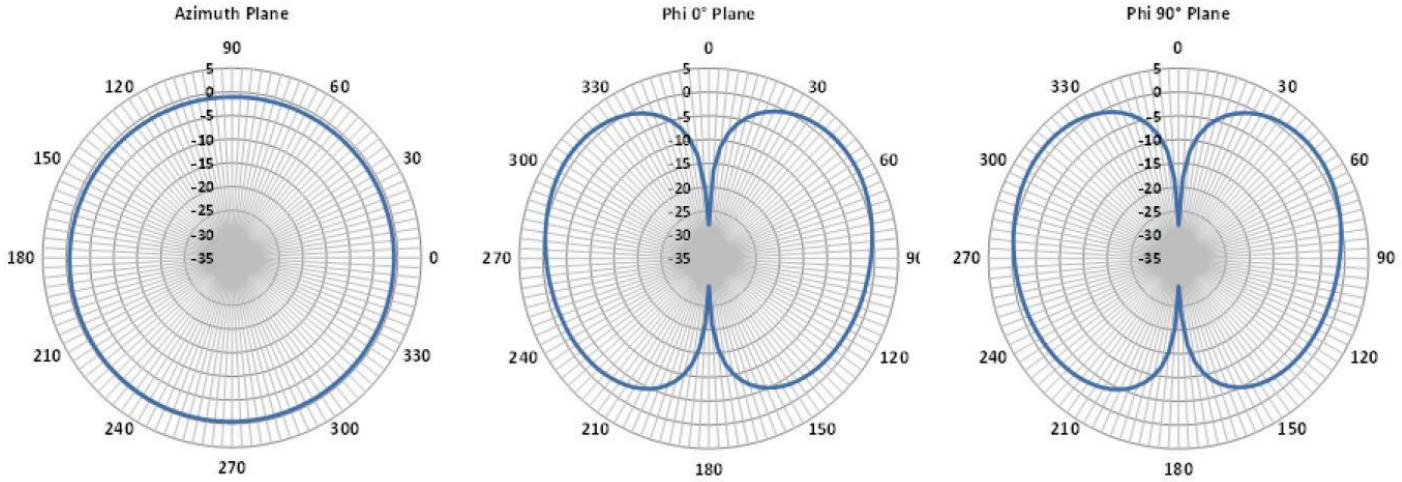
PART NUMBER	DESCRIPTION
HCR8819M3NBN-001	NMO Mount, Black, No Logo
HCR8819M3NWN-001	NMO Mount, White, No Logo
HCR8819M3PBN-001	P Mount, Black, No Logo
HCR8819M3WBN-001	P Mount, White, No Logo

MECHANICAL DRAWING

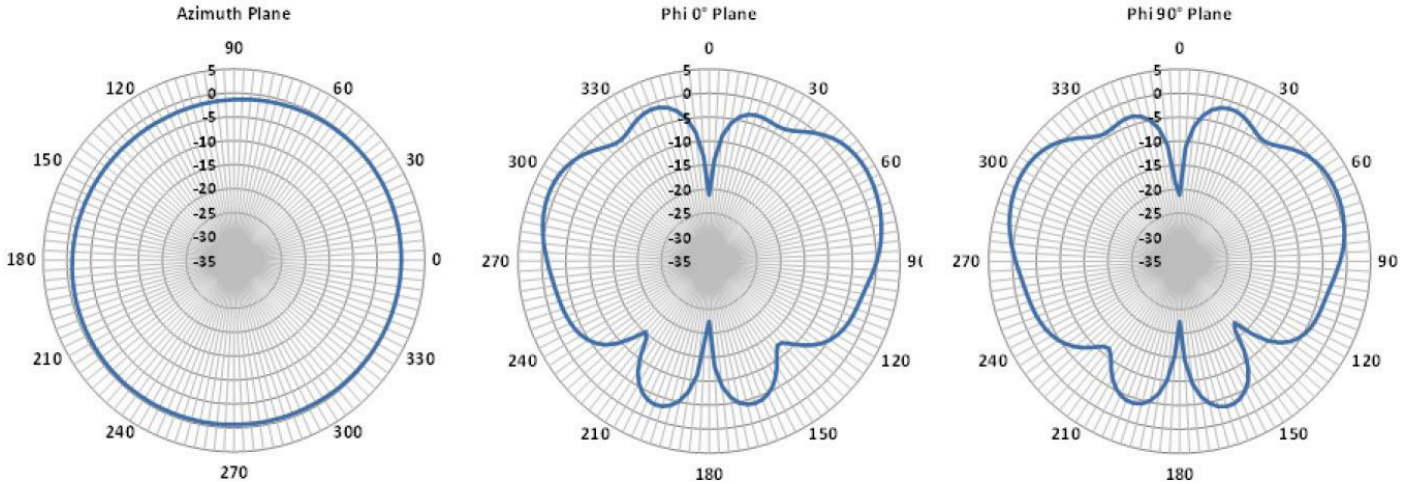


RADIATION PATTERN

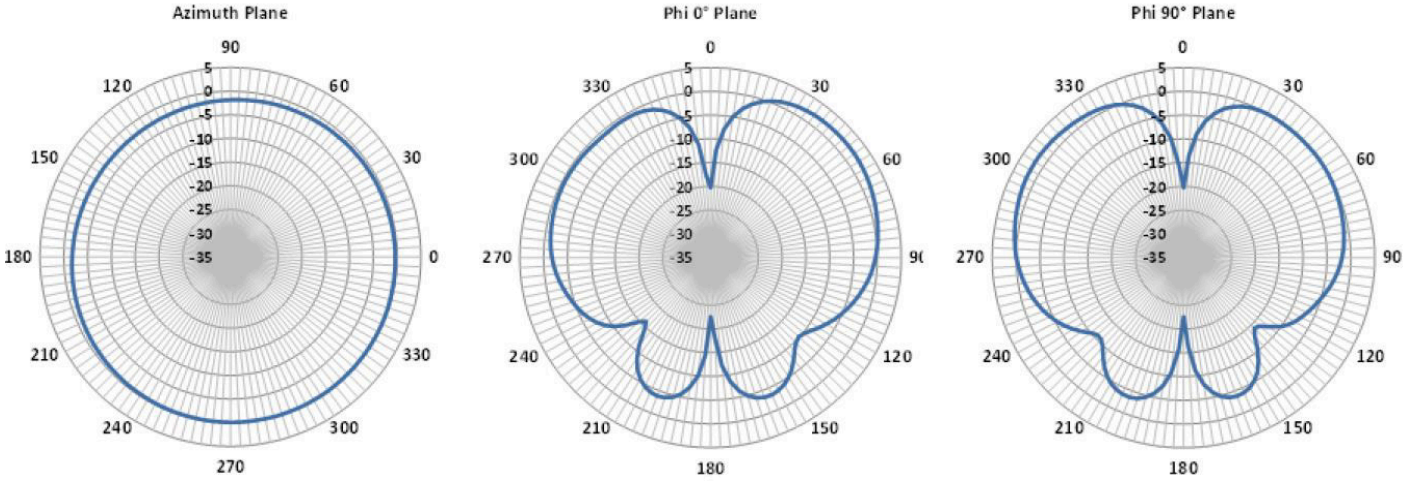
880 MHz (30 cm ground plane)



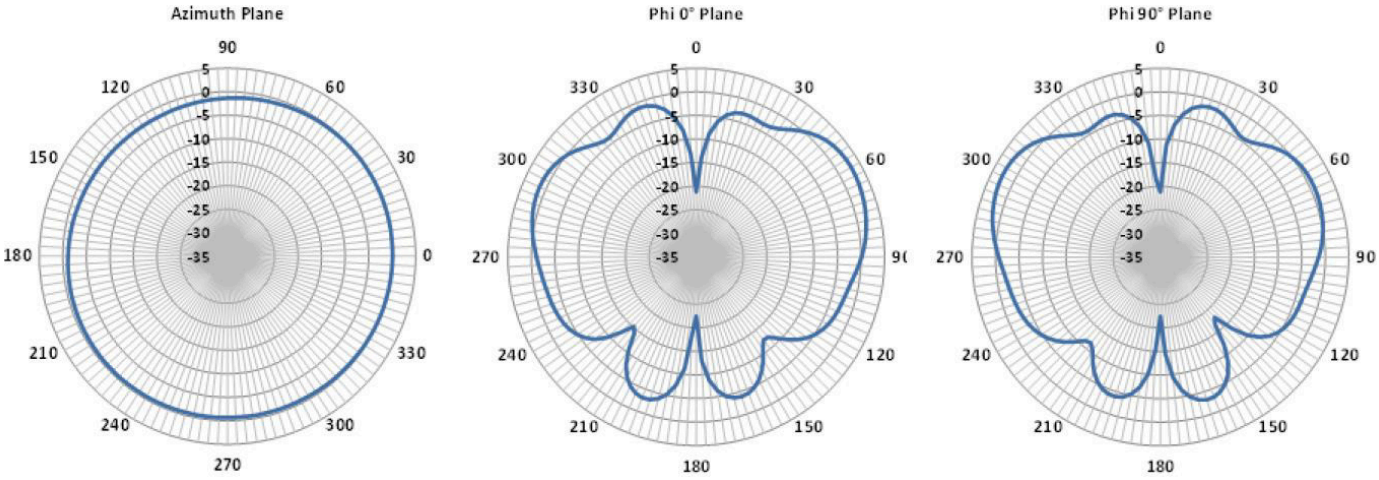
960 MHz (30 cm ground plane)



1710 MHz (30 cm ground plane)



1990 MHz (30 cm ground plane)



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