

RFR-ANT-0701

ANTENNA

The RFRain Antenna (RFR-ANT-0701) is a perfect fit for any type of application in the NA region and supports both indoor and outdoor environment. The circularly polarized antenna operates at 8.68 dBi gain.



Key Features & Benefits

- Low profile with high gain
- Maximum efficiency and performance across the entire frequency band
- 10" x 10" x 1"
- IP67
- Connector type: RP-TNC/N or custom made

Applications

- Access Control
- Fleet management
- warehouse management
- intelligent management of traffic

OVERVIEW

The RFRain Antenna (RFR-ANT-0701) is a perfect fit for each type of application and supports both indoor and outdoor environments. The circularly polarized antenna operates at 8.68 dBi gain, covers 64.02° x 64.02° beamwidth.

ELECTRICAL

Frequency Range	902 - 928 MHz
Gain	8.68 dBi
VSWR	<1.74:1 (max)
Max. Return Loss	<-11.76 dB
Efficiency	>90 %
Polarization	RHCP
Elevation Beamwidth	64.02° ± 2°
Azimuth Beamwidth	64.02° ± 2°
Sidelobes Level	-15 dB
Front to Back Ratio	14.60 dB
Power	10W (max)
Input Impedance	50 ohms
Axial Ratio	< 3 dB
Radiation Properties	Directional
Lightning Protection	DC Grounded

MECHANICAL

Dimensions	10" x 10" x 1" / 254 x 254 x 25.4 mm
Connector	RP-TNC Female or custom made
Weight	1.54 lb / 0.7 kg
Radome Material	ABS plastic
Mount Type	Four threaded studs
Orientation	Rectangular

ENVIRONMENTAL

Operating Temp	-55°C to +71°C
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RADIATION PATTERN

