



RAKARJ18 916MHz Yellow Antenna Datasheet



Overview

Description

HWR Series $\frac{1}{2}$ -wave center-fed dipole antennas deliver outstanding performance in a rugged and cosmetically attractive package. The articulating base allows the antenna to tilt 90 degrees and rotate 360 degrees. The antenna's internal counterpoise eliminates external ground plane dependence and maximizes performance. HWR Series antennas attach via a Part 15 compliant RP-SMA connector.



Figure 1: RAKARJ18 Antenna Overview

Features

- Frequency Range: 900~930 MHz
- Peak Gain: 1.2 dBi
- VSWR: ≤ 2.0
- Internal counterpoise
- Tilts and rotates
- Internal O-ring seal on connector

Specifications

Model	RAKARJ18
Frequency Range	900–930 MHz
Center Frequency	916 MHz
Peak Gain	1.2 dBi
VSWR	≤ 2.0 typical
Bandwidth	30 MHz
Feed Impedance	50 Ω

Model	RAKARJ18
Antenna Type	½-wave dipole
Cover Material (color)	Plastic (Black)
Connector Type	RP-SMA
Dimensions (mm)	Φ (8.2-10.0) mm x 142.0 mm
Operation Temp (°C)	−30 °C to +80 °C

VSWR Graph

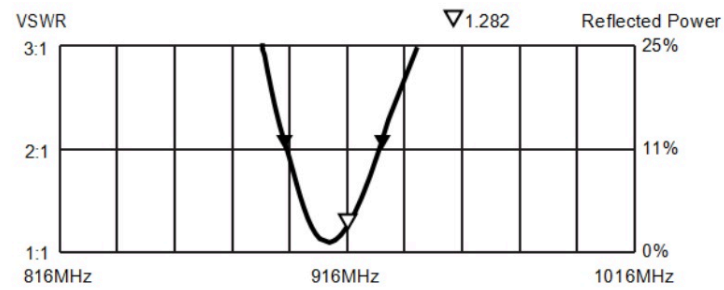


Figure 2: VSWR Graph

Mechanical Characteristics

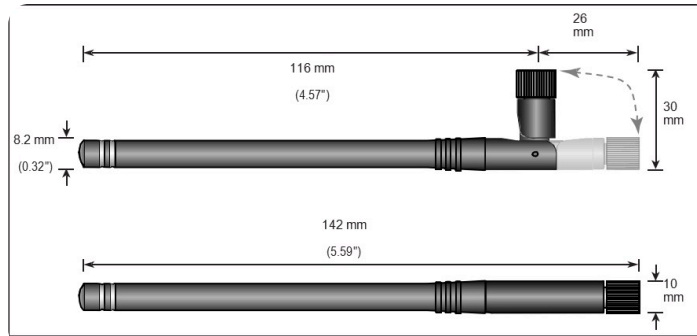


Figure 3: Mechanical Specifications

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