

RW-9041-5002

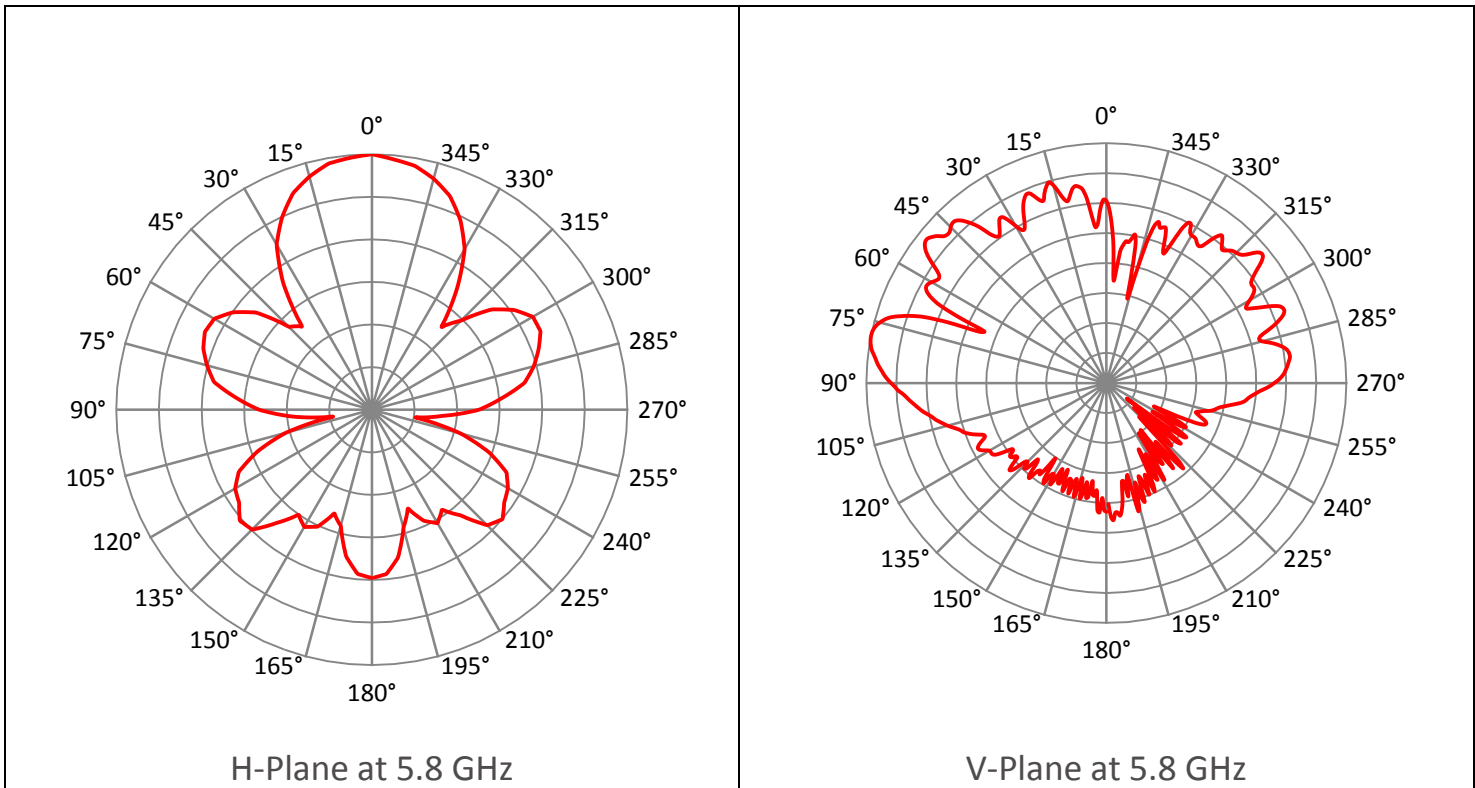
Product Data Sheet



RADWIN ANTENNAS

RW-9041-5002 is an external Mobile Unit antenna part of the RADWIN 5000 Mobility-Series. RW-9041-5002 is a single polarization Omni-directional antenna with 12dBi Gain, supporting 4.900 – 5.950 GHz frequency range and complies with EN-50155

Antenna Pattern



RW-9041-5002- Product Specifications

ELECTRICAL	
Frequency Range	4.9- 5.95 GHz
Gain	12.5 dBi
VSWR	1.6 :1 4.9-5.15 GHz 1.4: 1 5.15-5.95GHz
3 dB Beamwidth Horizontal	50° 4.9-5.15GHZ 42° 5.15-5.95GHZ
3 dB Beamwidth Vertical	18° 4.9-5.15GHZ 16° 5.15-5.95GHZ
Polarization	Vertical
Input Impedance	50 Ohm
Input Power	100Watts (max)
Lightning Protection	DC grounded
MECHANICAL	
Dimensions (H x W x D)	90X100X260 mm
High-current-protection	Designed acc. to UIC 533, DC-grounded antenna element (protection against lightning and short circuit with catenary lines (40kA/0.1s).
Mounting	Shall be installed in longitudinal position to the wind/driving direction
Corrosion	Low corrosion design acc. to MIL-F-14072(E)
Weight	1.4kg
Radome colour	dark grey
Radome material	ASA_SAN
Back plate/base plate colour	dark grey
Back plate/base plate material	Aluminum
Connector	N, jack (female), bottom
RF Cable	Coax cable 1.2m, supplied
ENVIRONMENTAL	
Temperature (operation and storage)	-40°C to +85°C
Water Tightness	IP 66
Solar radiation	DIN 75220
Regulatory Compliance	
	RoHS 2002/95/EC , EN 50-155

Ordering Info

Part Number: RW-9041-5002

Description: Vehicular Omni-directional antenna, gain 12dBi, 4.9-5.9GHz

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