



Cel-Fi™ Mobile Donor Antennas

Smart Cellular Coverage



A41-V21-100/101 A41-V36-100/101

Model Numbers:

A41-V21-100/101
A41-V36-100/101

The Cel-Fi Mobile Mag Mount and Screw Mount Antennas are two of the best-performing antennas in their footprint on the market. These antennas are outdoor wideband cellular omni-directional antennas with 2 to 4 dB gain.

The weather-resistant IP67 plastic casings are built to securely attach to autos, trucks, vans, SUVs, and RVs.



A41-V21-100/101

FEATURES

- 3G/4G/LTE wideband cellular antenna
- SMA Male connector
- Omni-directional
- 3m low loss high-performance cable
- Ground plane dependent

NOTE: Antennas support wideband application in general.

- 100 part numbers are tuned for 700 MHz LTE bands (bands 12, 13, 28)
- 101 part numbers are tuned for 800 MHz LTE bands (bands 5, 8, 20)

MAG MOUNT SPECIFICATIONS

ELECTRIC SPECIFICATION

Parameters	CELLULAR / LTE Antenna		
	3G and 4G		
Standards	3G and 4G		
Band (MHz)	700/850/900	1700/1800/1900/2100	2600
Frequency (MHz)	698-960	1710-2170	2500-2700
Return Loss (dB)	~-11.2	~-12.8	~-14.3
VSWR	~2.1:1	~1.6:1	~1.5:1
Efficiency (%)	~56	~51	~43
Peak Gain (dBi)	~2.0	~3.9	~3.5
Average Gain (dB)	~-2.6	~-2.9	~-3.6
Impedance (Ohm)	50		
Polarisation	Linear		
Radiation Pattern	Omni-Directional		
Max. Input Power (W)	25		
Connector Type	SMA-Male Standard		
Cable Length	300 cm Standard		
Cable Type	DACAR302		

MECHANICAL SPECIFICATION

Model Number	A41-V21-100	A41-V21-101
Bands	2, 4, 5, 12, 13, 28	1, 3, 5, 7, 8, 20
Mounting Type	Magnetic Mount	
Dimensions (mm)	Ø 54 × 80	
Radome	ABS UV Stable	
Radome color	Black	
Operating Temperature (C)	-40 to +85	
Storage Temperature (C)	-40 to +85	
Substance Compliance	RoHS	
IP Rating	IP67	

SCREW MOUNT SPECIFICATIONS

ELECTRIC SPECIFICATION



A41-V36-100/101

Parameters	CELLULAR / LTE Antenna		
Standards	3G and 4G		
Band (MHz)	700/850/900	1700/1800/1900/2100	2600
Frequency (MHz)	698-960	1710-2170	2500-2700
Return Loss (dB)	~11.9	~28.8	~24.3
VSWR	~1.9:1	~1.1:1	~1.2:1
Efficiency (%)	~50	~46	~36
Peak Gain (dBi)	~1.8	~2.2	~2.7
Average Gain (dB)	~-3	~-3.1	~-3.5
Impedance (Ohm)	50		
Polarisation	Linear		
Radiation Pattern	Omni-Directional		
Max. Input Power (W)	25		
Connector Type	SMA-Male Standard		
Cable Length	300 cm Standard		
Cable Type	DACAR302		

MECHANICAL SPECIFICATION

Model Number	A41-V36-100	A41-V36-101
Bands	2, 4, 5, 12, 13, 28	1, 3, 5, 7, 8, 20
Mounting Type	Screw Mount	
Dimensions (mm)	81 x 60 x 60	
Radome	ABS UV Stable	
Radome color	Black	
Antenna Base	Zamak	
Gasket	TPE	
Operating Temperature (C)	-40 to +85	
Storage Temperature (C)	-40 to +85	
Substance Compliance	RoHS	
IP Rating	IP67	

Copyright © 2019 by Nextivity, Inc. U.S. All rights reserved. The Nextivity and Cel-Fi logos are registered trademarks of Nextivity Inc. All other trademarks or registered trademarks listed belong to their respective owners. Designed by Nextivity in California.
brief-antenna-mobiledonor-eng_19-0710