

# ARC Atlas™

## GPS/Cellular Combo Antenna

### Part Number: ARC-GAXXXB50



- ◆ Excellent performance, lower cost design
- ◆ Low profile design excellent for many different covert vehicular installations
- ◆ Rugged design, with high temperature UV resistant plastic
- ◆ US Engineered
- ◆ Manufactured under strict US quality control procedures
- ◆ Different connector options available

GPS Electrical Specifications	
Frequency Range	1575.42 MHz ±3 MHz
Gain Patch Antenna @ Zenith LNA	5 dBi typ. 27 dBi typ.
Polarization	RHCP
Axial Ratio	1 dB typ.
VSWR	2.0:1 max.
Impedance	50 ohms
LNA Noise Figure	1.5 dB
LNA Supply Voltage	3.3 V ±0.6 V or 5 V ±1 V
LNA Current Consumption	9 mA typ., 12 mA max.
Standard Cable Type	5 ft or 10 ft RG174
Standard Connectors	SMA or FAKRA C

AMPS/GSM/GPRS/DCS/UMTS Electrical Specifications	
Frequency Range	806-960 MHz & 1710-2170 MHz
Gain 806-960 MHz 1710-2170 MHz	-1 dBi typ. 1 dBi typ.
Polarization	Linear
VSWR	1.5:1 typ., 2.5:1 max.
Impedance	50 ohms
Power Rating	10 Watts
Standard Cable Type	5 ft or 10 ft RG174
Standard Connectors	SMC, TNC, FAKRA D

Mechanical & Environmental Specifications	
Length x Width x Height	3.75in x 1.4in x .54in (9.5cm x 3.6cm x 1.4cm)
Housing Material	UV Stabilized, High Heat Resistant ABS Plastic, Black
Operating Temperature Range	-40°F to +185°F (-40°C to +85°C)
Mounting Interface	Double sided tape
Packaging	50/box

Ordering Information	
Part #	Description
ARC-GA0503B50	ARC Atlas™, 5' cable, GPS-FAKRA C/GSM-FAKRA D
ARC-GA1003B50	ARC Atlas™, 10' cable, GPS-FAKRA C/GSM-FAKRA D
ARC-GA1004B50	ARC Atlas™, 10' cable, GPS-SMA/GSM-SMA
ARC-GA1006B50	ARC Atlas™, 10' cable, GPS-SMA/GSM-TNC
ARC-GA1013B50	ARC Atlas™, 10' cable, GPS-SMA/GSM-SMC

NOTE: These products are considered "Special Order" with a 10-week lead time. Reduced lead times are available. Contact ARC for details.

[www.antennas.com](http://www.antennas.com)

Don't see what you need? Contact us to discuss alternate configurations.

Specifications subject to change without notice.  
See [www.antennas.com](http://www.antennas.com) for warranty information