

ARC VLPA™ Large Case Mobile Antenna GPS/Cellular Combo



- ◆ High gain, low cost, patented circuit design.
- ◆ Low profile design with 4 mounting holes, excellent for many different covert vehicular installations.
- ◆ Rugged design, with high temperature UV resistant plastic.
- ◆ Different connector and cable length options available.

GPS Electrical Specifications	
Frequency Range	1575.42 MHz ±2 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	20ft low loss cable
Standard Connectors	MMCX, SMA, MCX, FME, TNC, FAKRA

AMPS/GSM/GPRS/DCS/UMTS Electrical Specifications	
Frequency Range	806-960 MHz 1710-2170 MHz
Gain 806-960 MHz 1710-2170 MHz	2 dBi typ. 3 dBi typ.
Polarization	Linear
VSWR	1.5:1 typ. 2.5:1 max.
Impedance	50 ohms
Power Rating	10 Watts
Standard Cable Type	20 ft low loss cable
Standard Connectors	MMCX, SMA, MCX, FME, TNC, FAKRA

Mechanical & Environmental Specifications	
Length x Width x Depth	4.4in x 3.16in x .78in (112mm x 80.3mm x 20mm)
Housing Material	UV Stabilized ABS Plastic, Black
Operating Temperature Range	-40°F to +194°F (-40°C to +90°C)
Mounting Interface	4.25in (108mm) Mounting Tabs

Ordering Information	
Part #	Description
ARC-LC2001B01	Large Case GPS/Cellular Combo, 20ft RG174, SMA Plug/FME Jack

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