



Model ANPC-185

GPS Antenna for Automotive Aftermarket Applications

Parameter	Performance
Mechanical	
Shape	Rectangular base, contoured radome
Dimensions	2.25" wide x 2.50" long x 0.75" high
Weight	8 ounces
Color	Black
Radome Material	Polycarbonate
Output Connectors	SMB 90° plug standard; other options available
Cable	RG-174 Coaxial, irradiated
Materials	Corrosion Proof
Base Construction	Die cast zinc
Mounting	Magnetic standard; trunk-mount option available
Environmental	
Operating Temperature	-40°C to +95°C
Operating Humidity	40-95% RH (rain proof)
Storage Temperature	-45°C to +95°C
Chemical Resistance	Oil, gasoline, detergents
Salt	5% NaCl @ 35°C
Electrostatic Discharge	RC Surge protection on PCB
Electrical	
Frequency	1575.42 MHz
Antenna Element Gain	4.0 dBic typ @ zenith
Axial Ratio	3 dB typical @ zenith
Polarization	RHCP
Output VSWR	1.5:1 typ, 2:1 max
Filter/LNA (-3dB bandwidth)	1575.42 ± 3 MHz typical
Voltage	+5 ± 0.5 VDC
Current	20 mA typ @ 5 VDC
LNA Gain	27 dB ± 2 dB
Noise Figure	1.5 dB max
Compression @ L1	+1 dBm @ LNA output
Total Gain	21dBic min
Out-of-band Filter Attenuation	25 dB @ ±50 MHz typical