



## Automotive Roof Mount Sirius Satellite Digital Radio Antenna

Shape	Elliptical base, low-profile contoured radome	
Dimensions	3.0" wide x 4.5" long x 1.56" high	
Cable Protector Length	6"	
Weight	4 ounces	
Color	Black	
Radome Material	UV, Ozone, Solar stable material	
Output Connectors	2 x FAKRA (color coded) SMB <sup>1</sup>	
Cable	2 x 15', 0.070" dia. low-loss coaxial	
Materials	Corrosion resistant	
Base Construction	Die cast zinc	
Mounting	Roof mount w/ adhesive strips or roof thru-hole	
<b>Environmental</b>		
Operating Temperature	-40°C to +85°C	
Operating Humidity	5 to 95% RH (rain resistant)	
Storage Temperature	-45°C to +95°C	
Chemical Resistance	Oil, gasoline, detergents	
Salt	5% NaCl @ 35°C	
Electrostatic Discharge	RC Surge protection on PCB	
<b>Electrical</b>		
	<b>Satellite</b>	<b>Terrestrial</b>
Frequency	2320.0 to 2332.5 MHz	2323.7 to 2328.8 MHz
Antenna Element Gain, Passive	See below <sup>2</sup>	-2 to +2 dBi <sup>3</sup>
Polarization	LHCP	Linear Vertical
Output VSWR	2.0:1 max	2.0:1 max
LNA Gain	33.5 dB min, 38.5 dB max	25 dB min, 30.5 dB max
LNA Noise Figure	0.7 dB typ, 0.9 dB max	2 dB typ, 2.5 dB max
Compression @ L1	+16 dBm min @ LNA output	+9 dBm min @ LNA output
Voltage	+5.3 to +8.0 VDC	+5.3 to +8.0 VDC
Current	160 mA typ	

<sup>1</sup> Sat keycode K, curly; Terr keycode Z, white/natural

<sup>2</sup> 2 dBic min from 20° to 90° above horizon;

<sup>3</sup> 3 dBic min from 25° to 75° above horizon

<sup>3</sup> From 0° (horizon) to 10° above horizon