



## Automotive Roof Mount XM Satellite Digital Radio Antenna

Parameter	Performance	
<b>Mechanical</b>		
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 style (color coded) SMB	
Cable	2 x 11', RG-316	
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	
<b>Electrical</b>		
	<b>Satellite</b>	<b>Terrestrial</b>
Frequency	2332.5 to 2345 MHz	2332.5 to 2345 MHz
Antenna Element Gain, Passive	2 dBic min*	-1 dBi min **
Polarization	LHCP	Linear Vertical
Output VSWR	1.5:1 max	1.5:1 max
LNA Gain	22 ± 2 dB	20 ± 2 dB
LNA Noise Figure	1.7 dB max	2.0 dB max
Input IP3	-15 dB min	-10 dB min
Voltage	+3.6 to +5.5 V, 4.5 V nom	+5.3 to +8.0 VDC
Current	100 mA max	

\* From 20° to 60° above horizon

\*\* At horizon