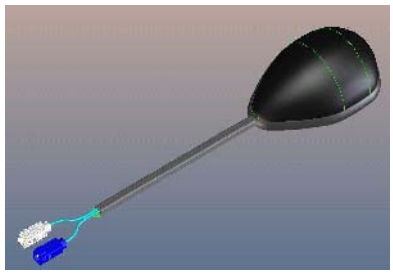
tyco Electronics

MACOM Automotive Telematics



Part No. MAANIN0040

Automotive Roof Mount
Sirius Satellite Digital Radio Antenna

Parameter	Performance	
Mechanical		
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 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	
Environmental		
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	
Electrical	**Satellite**	**Terrestrial**
Frequency	2320.0 to 2332.5 MHz	2323.7 to 2328.8 MHz
Antenna Element Gain, Passive	3 dBic min*	-2 to +2 dBi **
Polarization	LHCP	Linear Vertical
Output VSWR	2.0:1 max	2.0:1 max
LNA Gain	39.5 dB min, 46 dB max	20 dB min, 26.5 dB max
LNA Noise Figure	0.5 dB typ, 0.9 dB max	1.5 dB typ, 2.5 dB max
Compression @ L1	+9 dBm min @ LNA output	+9 dBm min @ LNA output
Voltage	+5.3 to +8.0 VDC	+5.3 to +8.0 VDC
Current	85 mA typ	85 mA typ

* From 25° to 90° above horizon

** From 10° below to 10° above horizon