



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 dBi 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