



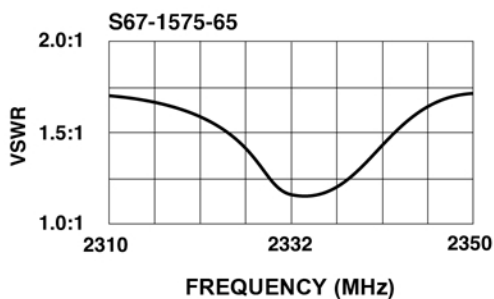
## DESCRIPTION

**S67-1575-65:** Active, low-profile antenna operating at 2326 MHz for Sirius Satellite Radio receivers providing aviation weather information and cabin entertainment services. It features a 29.5 dB gain amplifier and is equipped with a TNC female connector.

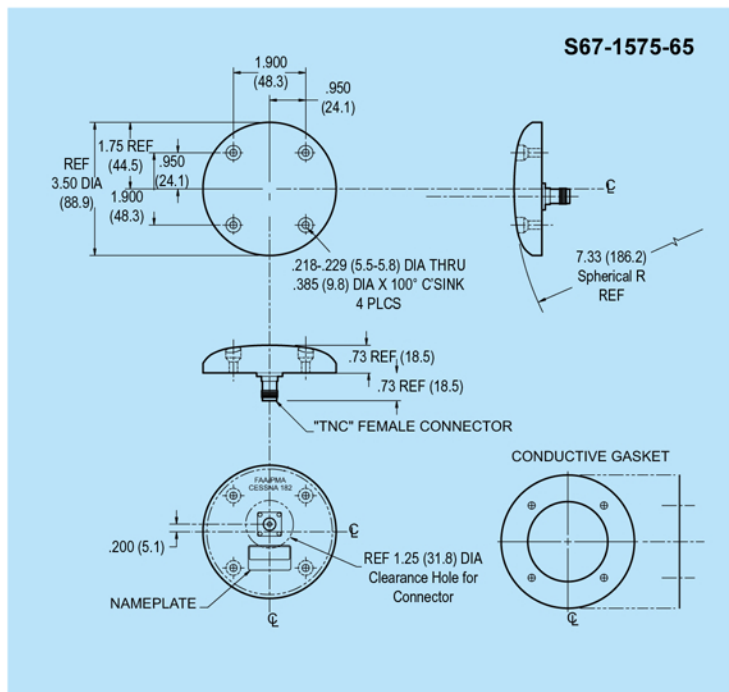
The mechanical configuration consists of a machined aluminum base with a 3½" diameter. The radome design and materials provide enhanced protection from rain, ice and lightning strikes.

**FEDERAL & MILITARY SPECS:** DO-160C, MIL-STD-810, FAA PMA.

## PERFORMANCE



SPECIFICATIONS	
<b>MODEL</b>	<b>S67-1575-65</b>
<b>ELECTRICAL</b>	
<b>Frequency</b>	2326 ±7 MHz
<b>VSWR</b>	≤2.0:1
<b>Polarization</b>	LHCP
<b>Impedance</b>	50 Ohms
<b>Power Handling</b>	100 mW (+20 dBm)
<b>Gain</b>	-1.0 dBic 0° ≤ θ ≤75° -2.5 dBic 75° ≤ θ ≤80° -4.5 dBic 80° ≤ θ ≤85° -7.5 dBic θ =90° (@ horizon)
<b>Gain (Pre-amplifier)</b>	29.5 ±3 dB
<b>Supply Voltage</b>	+3.3 TO +28 VDC @ 45 mA MAX
<b>MECHANICAL</b>	
<b>Weight</b>	7 oz.
<b>Height</b>	.73 in.
<b>Diameter</b>	3.50 in.
<b>Material</b>	6061-T6 Alum. / Thermoset Plastic
<b>Finish</b>	Skydrol-resistant Polyurethane Enamel
<b>Connector</b>	TNC Female
<b>ENVIRONMENTAL</b>	
<b>Temperature</b>	-55°C (-67°F) TO +85°C (+185°F)
<b>Vibration</b>	10 Gs
<b>Altitude</b>	-100 to 55,000 ft



**Note: For Reference Only.**  
Contact Sensor Systems for the latest engineering drawings.



Doc # DS S67-1575-65\_A, 042914: MRKT **MDV** ENG **RC** QC **DJ**

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