



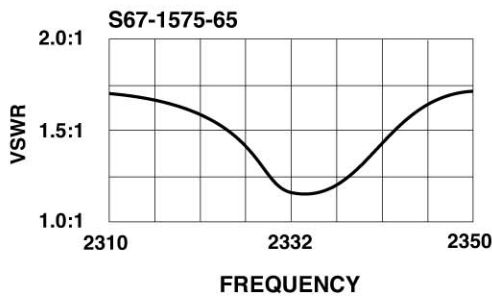
## DESCRIPTION

**S67-1575-65:** Active, low-profile antenna designed for use with XM and Sirius radio receivers providing aviation weather information and cabin entertainment services. Integrated 29 dB amplifier with TNC connector.

Mechanical configuration consists of machined aluminum base with a spherical radius. Radome design and materials provide enhanced protection against rain, ice, and lightning strikes. 3½ inch diameter, ¾ inch height.

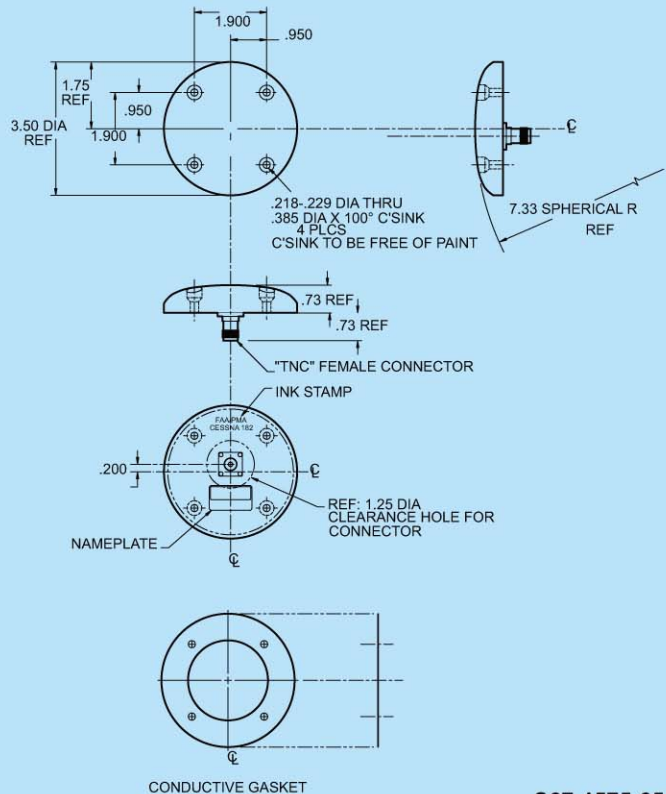
**FEDERAL & MILITARY SPECS:** D0-160C, MIL-STD-810, FAA PMA

## PERFORMANCE



SPECIFICATIONS	XM / SIRIUS
<b>MODEL</b>	<b>S67-1575-65</b>
<b>ELECTRICAL</b>	
<b>Frequency</b>	2326 ±7 MHz / 2338 ±7 MHz
<b>VSWR</b>	2.0:1
<b>Polarization</b>	RHCP
<b>Impedance</b>	50 W
<b>Power Handling</b>	100 mW (+20 dBm)
<b>Gain</b>	-1.0 dBic 0° < 0 < 75° -2.5 dBic 75° < 0 < 80° -4.5 dBic 80° < 0 < 85° -7.5 dBic -0 = 90° (@ HORIZON)
<b>Gain (Preamplifier)</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>Length</b>	7.85 in.
<b>Diameter</b>	3.50 in.
<b>Material</b>	6061-T6 aluminum
<b>Finish</b>	Skydrol-resistant enamel
<b>Connectors</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

## OUTLINE DRAWING



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