

# GPS S67-1575-14



## DESCRIPTION

**S67-1575-14:** Dual-band L1/L2 passive GPS antenna with a VSWR of 2.0:1. Spherical radius molded radome provides enhanced protection against rain, ice and lightning strikes. Qualified for high speed military aircraft and dual frequency surveying applications. Qualified per Rockwell Collins specification 013-1922 for use with the MAGR systems.

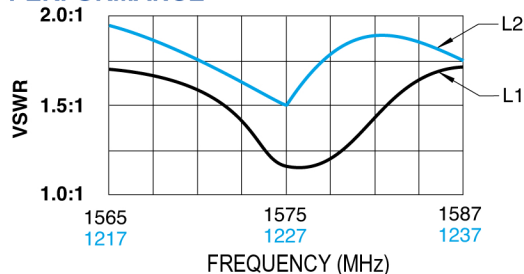
**NSN:** 5985-01-390-1486 (white)

**NSN:** 5985-01-441-6663 (gray)

**NSN:** 5985-01-450-7308 (green)

**FEDERAL & MILITARY SPECS:** FAA TSO-C129, DO-160C, MIL-STD-810, MIL-DTL-5541, MIL-E-5400.

## PERFORMANCE



SPECIFICATIONS	
<b>MODEL</b>	<b>S67-1575-14</b>
<b>ELECTRICAL</b>	
<b>Frequency</b>	1565-1585 MHz (L1), 1217-1237 MHz (L2)
<b>VSWR</b>	≤ 2.0:1
<b>Polarization</b>	RHCP
<b>Impedance</b>	50 ohms
<b>Axial Ratio</b>	≤ 3.0 dB @ Zenith
<b>Antenna 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>Power Handling</b>	1 Watt
<b>Lightning Protection</b>	DC grounded
<b>MECHANICAL</b>	
<b>Weight</b>	6 oz.
<b>Height</b>	.60 in.
<b>Diameter</b>	3.50 in.
<b>Material</b>	6061-T6 Aluminum/Thermoset Plastic
<b>Finish</b>	Skydrol Resistant Enamel
<b>Connector</b>	TNC Female
<b>ENVIRONMENTAL</b>	
<b>Temperature</b>	-54°C (-65°F) to +110°C (+230°F)
<b>Altitude</b>	-1,500 to 70,000 ft.

