

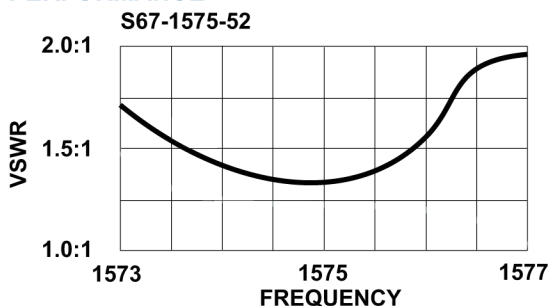


## DESCRIPTION

**S67-1575-52:** GPS L1 antenna in an ARINC 743A configuration. Features a 26 dB amplifier and special filtering for airline applications. DC bias is provided through the coax connector. Internal voltage regulator accepts +4 to +24 VDC. Low-profile, advanced radome design and material displays enhanced protection against rain, ice and lightning strikes. DC grounded and hermetically sealed.

**FEDERAL & MILITARY SPECS:** FAA TSO-C129 & TSO-C115a, ARINC 743, DO-160C, MIL-E-5400, MIL-C-5541.

## PERFORMANCE



SPECIFICATIONS	
<b>MODELS</b>	<b>S67-1575-52</b>
<b>ELECTRICAL</b>	
Frequency	1575.42 MHz
VSWR	2.0:1
Polarization	RHCP
Impedance	50 Ohms
Axial Ratio	≤3 dBic @ Zenith
Gain Coverage (min)	-1.0 dBic 0° ≤ θ ≤ 75° -2.5 dBic 75° < θ ≤ 80° -4.5 dBic 80° < θ ≤ 85° -7.5 dBic θ = 90° @ Horizon
Gain (preamp)	26.0 dB
Power Handling	100 mW
Voltage	+4 to 24 VDC
Lightning Protection	DC Grounded
<b>MECHANICAL</b>	
Weight	6 oz.
Height	.55 in.
Width	3.0 in.
Length	4.70 in.
Material	6061-T6 Aluminum/Thermoset Plastic
Finish	Skydrol Resistant Polyurethane Enamel
Connector	TNC Female
<b>ENVIRONMENTAL</b>	
Temperature	-55°C (-67°F) to +185°C (+85°F)
Altitude	55,000 ft.

