



DESCRIPTION

S67-1575-39: L1 GPS Antenna operating at 1575.42 MHz. Spherical radius molded radome provides enhanced protection against rain, ice and lightning strikes. Application for airborne, marine, ground vehicles and manpack installation. Internal 26 dB gain amplifier operates in a voltage range of +4 to +24 VDC which is provided through the coaxial connector.

NSN: 5985-01-470-8616 (green)
5985-01-441-5048 (white)

FEDERAL & MILITARY SPECS: TSO C115a & C129, DO-160C, MIL-E-5400, MIL-STD-810, MIL-C-5541.

SPECIFICATIONS	
MODELS	S67-1575-39
ELECTRICAL	
Frequency	1575.42 ± 2 MHz
VSWR	≤2.0:1
Polarization	RHCP
Impedance	50 ohms
Axial Ratio	≤3.0 dB (@ Zenith)
Gain	-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 ±3 dB
Supply Voltage	+4 to +24 VDC @25 mA MAX
Power Handling	100 mW (+20 dBm)
Lightning Protection	DC grounded
MECHANICAL	
Weight	5 oz.
Height	.57 in.
Diameter	3.50 in.
Material	6061-T6 Aluminum/Thermoset Plastic
Finish	Skydrol-Resistant Polyurethane Enamel
Connector	TNC Female
ENVIRONMENTAL	
Temperature	-55°C (-67°F) to +85°C (+185°F)
Vibration	10 Gs
Altitude	-100 to 55,000 ft.

PERFORMANCE

