



DESCRIPTION

S67-1575-20: 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. Passive.

NSN: 5985-01-451-7424

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

SPECIFICATIONS	
MODELS	S67-1575-20
ELECTRICAL	
Frequency	1575.42 MHz
VSWR	≤1.5:1
Polarization	RHCP
Impedance	50 ohms
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
Power Handling	1 watt
Lightning Protection	DC grounded
MECHANICAL	
Weight	3.6 oz.
Height	.57 in.
Diameter	3.50 in.
Material	6061-T6 Aluminum Alloy/Thermoset Plastic
Finish	Skydrol-Resistant 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

