

# GNSS S67-1575-338



## DESCRIPTION

**S67-1575-338:** L1 GPS operating at 1575.42 MHz and GLONASS operating at 1601.00 MHz. Molded radome provides enhanced protection against rain, ice and lightning strikes. Application for airborne, marine, ground vehicles and manpack installation.

The antenna features a state-of-the-art amplifier that uses advanced technologies to provide high GPS GLONASS signal levels with extremely low noise operation for fast satellite acquisition. The amplifier's complex filtering network rejects adjacent/out of band signals that interfere with the GPS GLONASS operating frequency. The antenna is capable of operating with voltages between +4 to 24 VDC, due to the amplifier's advanced voltage regulator.

The antenna will need to be installed via STC or PMA.

**FEDERAL & MILITARY:** DO-160D/E/G, ARINC 743, SAE ARP5416, and MIL-STD-810D.

SPECIFICATIONS	
<b>ELECTRICAL</b>	
Frequency	1565.0 - 1607.0 MHz
VSWR	≤ 1.5:1
Impedance	50 Ohms
Polarization	RHCP
Axial Ratio	≤ 3.0 dB @ Zenith
Gain (antenna)	-1.0 dBic Min @ Zenith
Gain (Preamplifier)	29.5 ±3 dB
Supply Voltage	+4 to +24 VDC @ 70 mA MAX
Power Handling	1 Watt (+30 dBm for 5 minutes)
Lightning Protection	DC Grounded
<b>MECHANICAL</b>	
Weight	10 oz.
Material	6061-T6 Aluminum Alloy/Thermoset Plastic
Finish	Skydrol-Resistant Polyurethane Enamel
Connector	TNC Female
<b>ENVIRONMENTAL</b>	
Temperature	-55°C (-67°F) to +70°C (+158°F)
Altitude	55,000 ft.

