

GPS S67-1575-237



DESCRIPTION

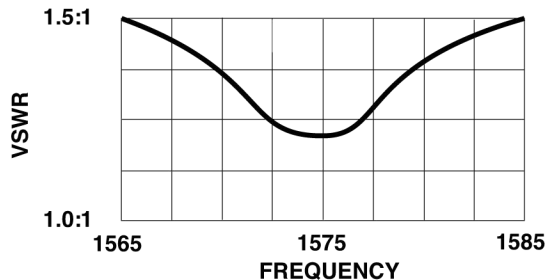
S67-1575-237: FAA TSO C190-certified GPS WAAS LPV antenna is a circular conformal design incorporating an extremely efficient front end filter/amplifier. The amplifier section utilizes advanced band-pass filters, providing significant out-of-band signal rejection. The amplifier has 29.5 dB gain and operates on +4 to +24 volts DC.

The antennas are DC grounded for lightning protection and hermetically sealed for a long service life.

FEDERAL & MILITARY SPECS: FAA TSO-C190, DO-160E, DO-301, MIL-HDBK-5400, MIL-STD-810

SPECIFICATIONS	
MODEL	S67-1575-237
ELECTRICAL	
Frequency	1575.42 ± 10.23 MHz
VSWR	≤ 1.5:1
Polarization	RHCP
Impedance	50 Ohms
Antenna Gain (Typ)	≤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)	29.5 ± 3dB
G/T ± 2 MHz	-31.6 dB/K
Differential Group Delay	<25nS
Power Handling	1 Watt
Voltage	+4 to +24 VDC
Lightning Protection	DC Grounded
MECHANICAL	
Weight	8 oz.
Diameter	5.10 in.
Material	6061 Aluminum/Thermoset Plastic
Finish	Skydrol Resistant Enamel
Connector	TNC Female
ENVIRONMENTAL	
Temperature	-55°C (-67°F) to +70°C (+158°F)
Vibration	10 Gs
Altitude	55,000 ft

PERFORMANCE



RADIATION PATTERN

1575 MHz

