

GPS S67-1575-132



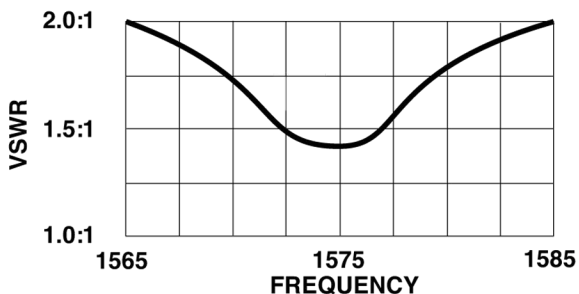
DESCRIPTION

S67-1575-132: An L1 ARINC 743A low profile active antenna with an advanced radome design and materials that offer enhanced protection against rain, ice and lightning strikes. This antenna features a low-noise and wide bandwidth. DC bias is provided through the coax connector. It is hermetically sealed and meets the TSO C144 for all MMR installations.

NSN: 5985-01-561-1939

Federal & Military Specs: FAA TSO-C144, ARINC 743A, DO-160D, DO-228, MIL-C-5541, MIL-E-5400, and MIL-STD-810.

PERFORMANCE



SPECIFICATIONS	
ELECTRICAL	
Frequency	1575.42 ± 10 MHz
VSWR	≤ 2.0:1
Polarization	RHCP
Gain (ANT)	3 dBic @ Zenith
Gain Coverage (ANT)	-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 ± 3 dB
Impedance	50 Ohms
Power Handling	1 Watt (+30 dBm)
Supply Voltage	+4 to +24 VDC @ 45 mA max.
Axial Ratio	≤ 3.0 dB (@ Zenith)
Out of Band Rejection	65 dB @ 1626 MHz 30 dB @ 1525 Mhz
Lightning Protection	DC Grounded
MECHANICAL	
Weight	9 oz.
Height	.73 in.
Length	4.70 in.
Width	3.0 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)
Altitude	55,000 ft.
Vibration	10 G's

