



DESCRIPTION

S67-1575-168: Dual Band Iridium and GPS L1/L2 antenna is designed for military applications with low voltage requirements such as UAV's and DAGR/MAGR receivers. The GPS port features a 26.5 dB LNA with special filtering and an internal voltage regulator which accepts 3.3 to 5 volts. DC-grounded.

The S67-1575-168 is approved as Iridium Compatible Equipment (ICE).

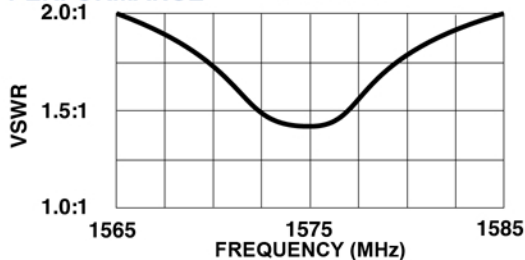


NSN: 5985-01-564-3737

FEDERAL & MILITARY SPECS: TSO-C129, MIL-STD-810, MIL-STD-877, MIL-HDBK-5400.

SPECIFICATIONS	
MODEL	S67-1575-168
ELECTRICAL	
Frequency	J1: L1: 1565-1585 MHz, L2: 1217-1237 MHz J2: 1610-1626 MHz
VSWR	J1, J2: ≤ 2.0:1
Polarization	RHCP
Impedance	50 Ohms Nominal
Power Handling	J1: 1 Watt J2: 60 Watts
Gain J1, J2	-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 (Preamplifier)	J1: 26.5 ±3 dB
Supply Voltage	+3.3 to +5.0 VDC @ 65 mA MAX
Lightning Protection	DC Grounded
MECHANICAL	
Weight	16 oz.
Height	.92 in.
Length	7.86 in.
Width	3.00 in.
Material	6061-T6 Aluminum Alloy / Thermoset Plastic
Finish	Skydrol Resistant Polyurethane Enamel
Connectors	TNC Female (2)
ENVIRONMENTAL	
Temperature	-54°C (-65°F) to +110°C (+230°F)
Vibration	10 Gs
Altitude	-1500 to 70,000 ft

PERFORMANCE



RADIATION PATTERN

