

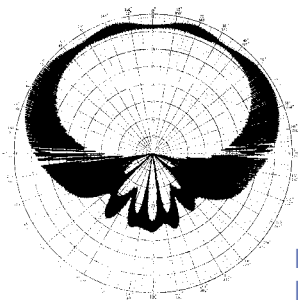
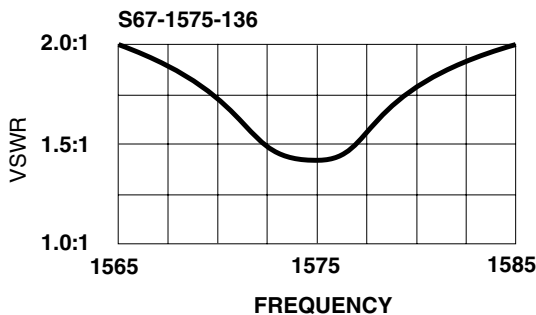


DESCRIPTION

S67-1575-136: Active antenna, low profile, with advanced radome design and material, offers enhanced protection against rain, ice and lightning strikes. 29.5dB gain, low-noise, wide bandwidth with special filtering. Accepts +4 to +24 VDC and contains internal voltage regulator. DC bias is provided through coax connector. Hermetically sealed. Meets TSO C144 for all MMR installations.

FEDERAL & MILITARY SPECS: FAA TSO C129a, C144, DO-160, DO-228 CHANGE 1, MIL-STD-810, ARINC 743A, MIL-C-5541, MIL-E-5400.

PERFORMANCE



1575 MHz
L1

RADIATION
PATTERN

SPECIFICATIONS

GPS

S67-1575-136

ELECTRICAL

Frequency	1575.42 MHz
VSWR	2.0:1
Polarization	RHCP
Impedance	50 ohms
Antenna Gain (Typ)	3 dBic @ Zenith
Gain Coverage (min) ...	-1.0 dBic $0^\circ \leq \theta \leq 75^\circ$
.....	-2.5 dBic $75^\circ < \theta \leq 80^\circ$
.....	-4.5 dBic $80^\circ < \theta \leq 85^\circ$
.....	-7.5 dBic $\theta = 90^\circ$ @ Horizon
Gain (preamp)	29.5 \pm 3dB
Noise Figure	
Power Handling	1watt
Voltage	+4 to +24 VDC
Current	45 mA
Lightning Protection ...	DC grounded

MECHANICAL

Weight	8 oz.
Height73 in.
Width	
Length	
Diameter	3.50 in.
Material	6061-T6 aluminum / thermoset plastic
Finish	Skydrol resistant enamel
Connector	TNC

ENVIRONMENTAL

Temperature	-67°F to +185°F
Vibration	10 G's
Altitude	55,000 ft.

OUTLINE DRAWING

