

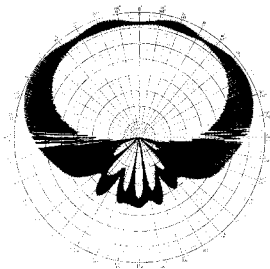
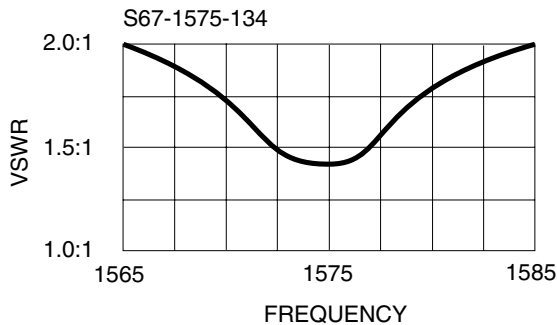


DESCRIPTION

S67-1575-134: ARINC 743A active antenna, low profile, with advanced radome design and material, offers enhanced protection against rain, ice and lightning strikes. 33 dB 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 HIRF/EMI, DO-228 Change 1 and TSO C144 requirements for all critical level 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

S67-1575-134

ELECTRICAL

Frequency	1575.42 ± 10 MHz
VSWR	2.0:1
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)	33.0 ± 3 dB
Noise Figure	2.5 dB
Power Handling	1 watt
Voltage	+4 to +24 VDC
Current	45 mA
Lightning Protection ...	DC grounded

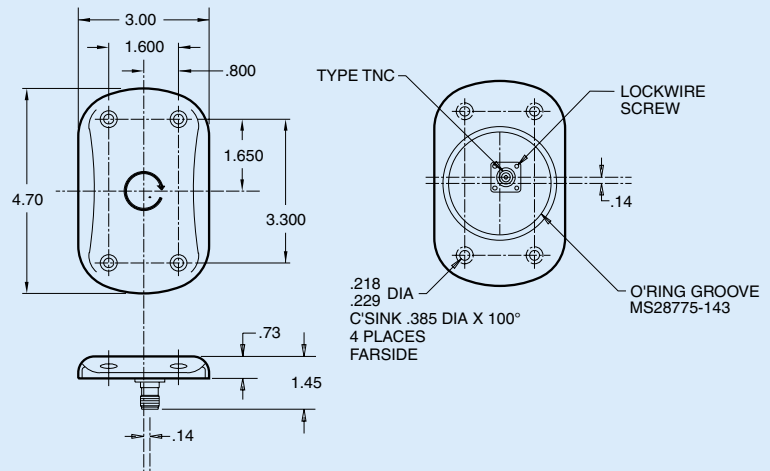
MECHANICAL

Weight	8 oz.
Height73 in
Width	3.0 in.
Length	4.70 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



S67-1575-134