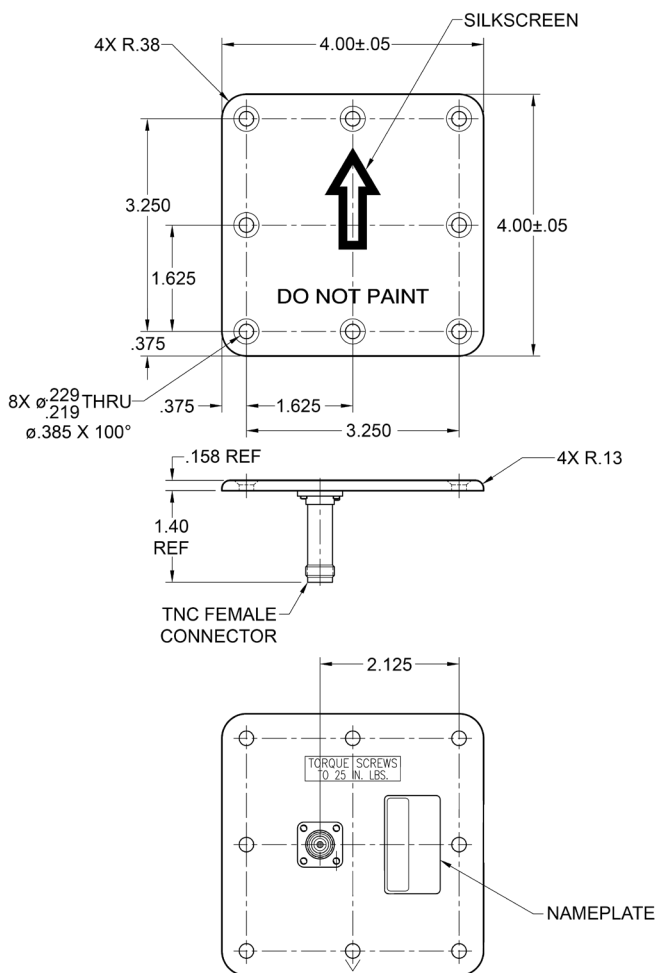


Radar Altimeter S67-2018



Please Note: For REFERENCE ONLY
Contact Sensor Systems for latest drawing

Description

This thin, flush-mounted radio altimeter antenna is integrated with a band-pass filter. The antenna is designed to improve performance by increasing harmonic rejection. The antenna's diminished size and weight provides ease of mounting; the antenna is smaller and lighter than existing horns.

The **S67-2018** antenna requires eight 10-32 screws for mounting. The bolt pattern is interchangeable with Honeywell's LG81AK02.

Federal & Military Certifications:

ARINC 552, ARINC 707, MIL-HDBK-5400, MIL-STD-210C, MIL-STD-464 and MIL-STD-810G.

Specifications

Electrical

Frequency	4200 - 4400 MHz
VSWR	≤2.0:1 (4200-4400 MHz) ≤1.9:1 (4210-4390 MHz) ≤1.5:1 (4240-4360 MHz)
Gain	10.0 dBi
Polarization	Linear
Impedance	50 Ω
Power	5 Watts Average 1000 Watt Peak (duty cycle 0.4)
Beam Width	Roll Plane 60° Min. (E) Pitch Plane 50° Min. (H)
Isolation H-Plane	30" 93 dB 20" 91 dB
2nd Order Harmonic Rejection	40 dB
Sideload Level	-40 dB

Mechanical

Weight	4 oz.
Height	.158 in.
Length	4.00 in.
Width	4.00 in.
Material	6061-T6 Aluminum / Teflon / Glass
Finish	Skydrol Resistant Polyurethane Enamel
Connector	TNC Female with safety wire screw

Environmental

Temperature (Operating)	-62°C (-79°F) to +71°C (+160°F)
Altitude	-100 to 55,000 ft.



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