

Altimeter S67-2018



U.S. Patent No. 4,460,894

DESCRIPTION

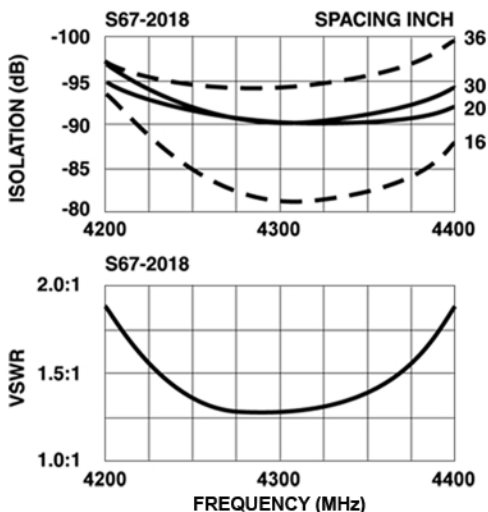
S67-2018: Thin, flush-mounted Radio Altimeter antenna with integrated band-pass filter. Designed to improve performance by increasing harmonic rejection. Reduced size and weight provides ease of mounting. Smaller and lighter than existing horns.

DC-grounded and hermetically sealed. Requires mounting with eight 10-32 screws. Bolt pattern is interchangeable with Honeywell LG81AK02.

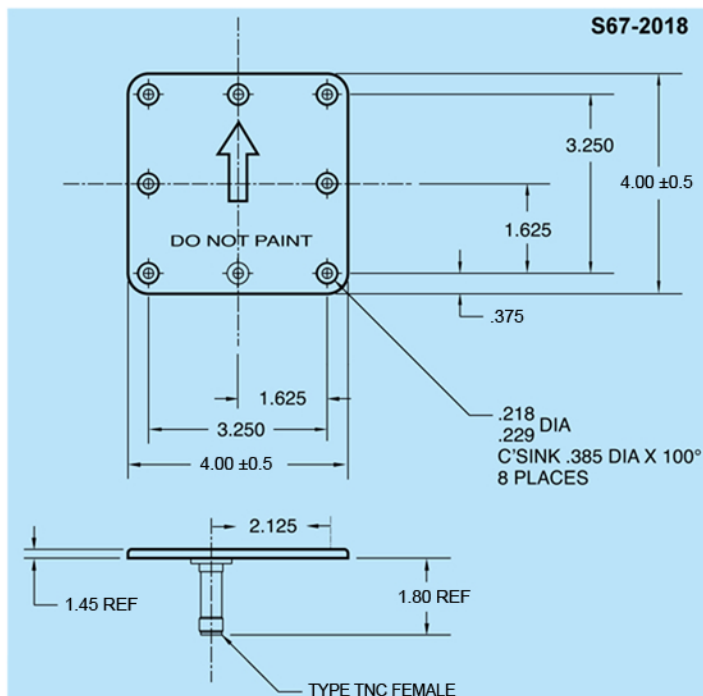
NSN: 5985-01-253-7584

FEDERAL & MILITARY SPECS: ARINC 707/552, MIL-E-5400, MIL-E-5272C, MIL-STD-810, MIL-T-5422F.

PERFORMANCE



SPECIFICATIONS	
MODEL	S67-2018
ELECTRICAL	
Frequency	4200-4400 MHz
VSWR	$\leq 2.0:1$ (4200-4400 MHz) $\leq 1.9:1$ (4210-4390) $\leq 1.5:1$ (4240-4360)
Polarization	Linear
Impedance	50 ohms
Beam Width	Roll Plane (E): 60° min. Pitch Plane (H): 50° min.
Power Handling	5 Watt average 1000 Watts Peak (Duty Cycle 0.4)
Side Lobe Level	-40 dB
Gain	10 dBi
Isolation H-Plane	30" 93dB, 20" 91 dB
2nd Order Harmonic Rej.	40 dB
Lightning Protection	DC grounded
MECHANICAL	
Weight	4 oz.
Height	0.145 in.
Length	4.00 in.
Width	4.00 in.
Material	6061-T6 aluminum / teflon glass
Finish	Skydrol resistant Polyurethane Enamel
Connector	TNC Female
ENVIRONMENTAL	
Temperature	-62° C (-80°F) to +71° C (+160°F)
Vibration	10 Gs
Altitude	-100 ft. to +55,000 ft.



Note: For Reference Only.
Contact Sensor Systems for the latest engineering drawings.

Doc # DS S67-2018_G, 032614: MRKT **MDV** ENG **RC** QC **DJ**

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