



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

DESCRIPTION

S67-2002: Flush mounted radio altimeter antenna designed to provide improved performance and reduced size and weight. Small size provides ease of mounting. Ideal for general aviation application.

NSN: 5985-01-229-5610

FEDERAL & MILITARY SPECS: FAA TSO C87, ARINC 707/552, RTCA DO-160, MIL-E-5400, MIL-E-5272C

SPECIFICATIONS	ALTIMETER
MODELS	S67-2002
ELECTRICAL	
Frequency	4200-4400 MHz
VSWR	≤ 1.5:1 (4275-4325 MHz) ≤ 2.0:1 (4200-4400 MHz)
Polarization	Linear
Impedance	50 ohms
Beam Width	Roll Plane (E) :45° min. Pitch Plane (H) :40° min.
Power Handling	5 Watts average 500 Watts peak
Side Lobe Level	-40 dB
Gain	9.5 dBi
Lightning Protection	DC grounded
MECHANICAL	
Weight	3 oz.
Height	.15 in.
Length	3.65 in.
Width	3.50 in.
Material	6061-T6 aluminum / teflon glass
Finish	Skydrol-resistant enamel
Connector	"TNC" Female
ENVIRONMENTAL	
Temperature	-55°C (-67°F) to + 85°C (+185°F)
Vibration	10 Gs
Altitude	-1000 ft. to +45,000 ft.
ISOLATION H-PLANE	16" 80 dB; 20" 88 dB; 30" 90 dB; 36" 95 dB

PERFORMANCE

