

Altimeter S67-2002-45



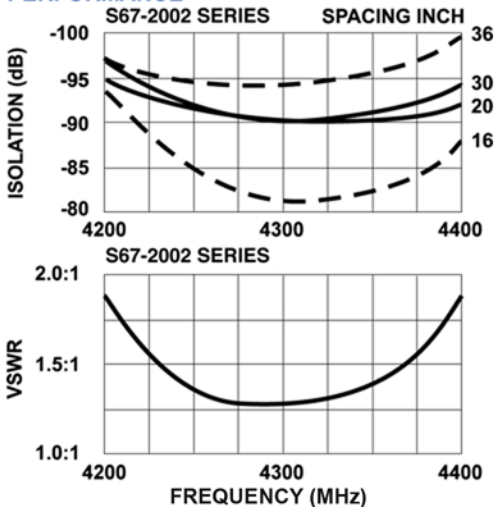
DESCRIPTION

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

S67-2002-45: Flush mounted radio Altimeter Antenna designed to provide improved performance and reduced size and weight. Small size provides ease of mounting. Metalized countersinks and connector length of 1.4 inches. Embraer 170/190 application.

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

PERFORMANCE



SPECIFICATIONS	ALTIMETER
MODELS	S67-2002-45
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	4 oz.
Height	0.15 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	-1,000 to 45,000 ft.
ISOLATION H-PLANE	16" 80 dB; 20" 88 dB; 30" 90 dB; 36" 95 dB

