

ADS-B/UAT S65-5366-895L



DESCRIPTION

S65-5366-895L: Vertically polarized, omnidirectional L-Band antenna operating from 960 to 1220 MHz compliant with UAT (978 MHz) and ADS-B (1090 MHz) TSO-166b system specifications. Also supports ATC Mode-S and DME applications. VSWR is less than 1.5:1 throughout entire frequency band.

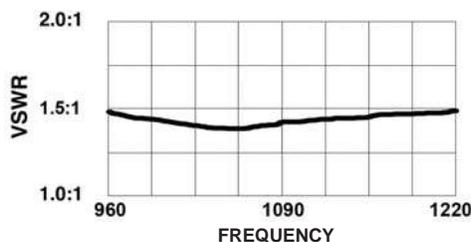
Transmit mode displays a gain of better than minus 3 dB over 90% of the coverage volume from 0 to 360 degrees in azimuth and 5 to 30 degrees above the ground plane when compared to the standard 1/4-wave monopole.

Receive mode has a gain of better than one dB over 90% of the coverage volume from 0 to 360 degrees in azimuth and -15 to +20 degrees in elevation when compared to a 1/4-wave monopole.

Rugged, all metal aluminum casting with a 4-hole bolt pattern. Unit is DC grounded and hermetically sealed. TNC connector, others available on request. For commercial, military and general aviation aircraft.

FEDERAL & MILITARY SPECS: FAA TSO C66c, C74d, C154c, and C166b, MIL-DTL-25708F, MIL-STD-877, DO-160D/G, DO-204A, DO-260B CLASS A 1, DO-282B CLASS A1H/ OR 14, and SAE ARP5416.

PERFORMANCE



SPECIFICATIONS	
ELECTRICAL	
Frequency	1090 MHz \pm 1 MHz (ADS-B) 1030-1090 MHz (Mode S) 978 MHz (UAT) 967-1213 MHz (DME) 960-1220 MHz (L-Band, XPNDR)
VSWR	\leq 1.5:1
Pattern	Omn/AZ \leq 1 dB Cos/EL > 90% coverage volume
Polarization	Vertical
Impedance	50 Ohms
Power	2000 Watts Peak 100 Watts Continuous
Lightning Protection	DC Grounded
MECHANICAL	
Weight	5.0 oz.
Height	3.28 in.
Material	A356-T6 Aluminum Alloy Casting
Finish	Skydrol Resistant Polyurethane Enamel
Connector	TNC Female
ENVIRONMENTAL	
Temperature	-55°C (-67°F) to +85°C (+185°F)
Vibration	10 G's
Altitude	55,000 ft.

