



U.S. Patent No. 3,220,006

### DESCRIPTION

**S65-5366-10L:** Rugged and highly efficient L-band antenna for use with transponder, DME, ATC, IFF, TACAN and Mode-S applications. The antenna is constructed from an all metal aluminum casting and is DC grounded. It features a 6-hole bolt pattern with a type N female connector and o-ring seal. Hermetically sealed for long service life. For use on commercial, military and all general aviation aircraft.

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**FEDERAL & MILITARY SPECS:** FAA TSO C66b and C74c. MIL-E-5400H, MIL-E-5272C, MIL-A-7772B, MIL-A-25708A, MIL-A-2530B, MIL-STD-810B.

SPECIFICATIONS	
<b>MODEL</b>	S65-5366-10L
<b>ELECTRICAL</b>	
<b>Frequency</b>	960-1220 MHz
<b>VSWR</b>	≤1.40:1 (1000 - 1100 MHz) ≤1.70:1 (960 - 1220 MHz)
<b>Pattern</b>	Omni/Az Cos/EI
<b>Polarization</b>	Vertical
<b>Impedance</b>	50 ohms
<b>Power</b>	2500 watts/peak 250 watts/cont.
<b>Lightning Protection</b>	DC grounded
<b>MECHANICAL</b>	
<b>Weight</b>	4 oz.
<b>Height</b>	2.2 in.
<b>Material</b>	A-356 Aluminum alloy casting
<b>Finish</b>	Skydrol-Resistant Epoxy Enamel
<b>Connector</b>	Type N Female
<b>ENVIRONMENTAL</b>	
<b>Temperature</b>	-73°C (-100°F) to +204°C (+400°F)
<b>Vibration</b>	10 Gs
<b>Altitude</b>	70,000 ft.

