



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

### DESCRIPTION

**S65-5366-8L:** 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 stainless steel casting and is DC grounded. Ideal for unimproved runways.

The antenna features a 4-hole bolt pattern with a Type C female connector and is hermetically sealed for a long service life. For commercial, military and general aviation aircraft.

**NSN:** 5985-01-430-4939

**FEDERAL & MILITARY SPECS:** FAA TSO C66b & C74c, MIL-E-5400H, MIL-E-5272C, MIL-A-7772B, MIL-A-25708A, MIL-A-25730B, MIL-STD-810B.

SPECIFICATIONS	
<b>MODEL</b>	S65-5366-8L
<b>ELECTRICAL</b>	
<b>Frequency</b>	960-1220 MHz
<b>VSWR</b>	≤1.42:1 (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>	4000 Watts/Peak 250 Watts/Cont.
<b>Lightning Protection</b>	DC grounded
<b>MECHANICAL</b>	
<b>Weight</b>	9 oz.
<b>Height</b>	2.20 in.
<b>Material</b>	CRES 302 AMS 5358
<b>Finish</b>	Skydrol-resistant Polyurethane Enamel
<b>Connector</b>	Type C Female
<b>ENVIRONMENTAL</b>	
<b>Temperature</b>	-61°C (-77°F) to +85°C (+185°F)
<b>Vibration</b>	10 Gs
<b>Altitude</b>	-1,800 ft. to +70,000 ft.

**S65-5366-8L**

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

Doc # DS S65-5366-8L\_C, 041714: MRKT **MDV** ENG **RC** QC **DJ**

