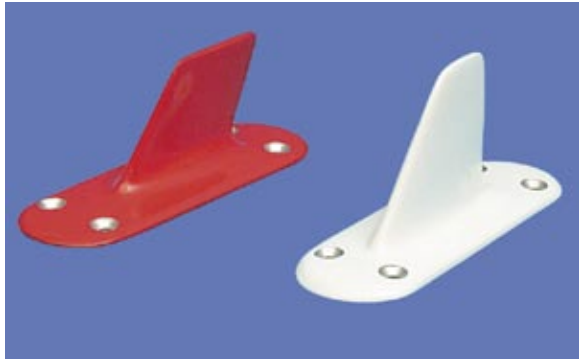


L-Band S65-5366-Series

Telemetry



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

DESCRIPTION

S65-5366-4L: Rugged, high-efficiency, all metal aluminum casting. DC grounded.

S65-5366-4L-1: Same as (-4L) except for connector, and no O' Ring Groove.

NSN: 5985-00-426-3612.

S65-5366-4LX-1: Same as (-4L) except for N connector and telemetry frequency.

NSN: 5826-01-107-1988.

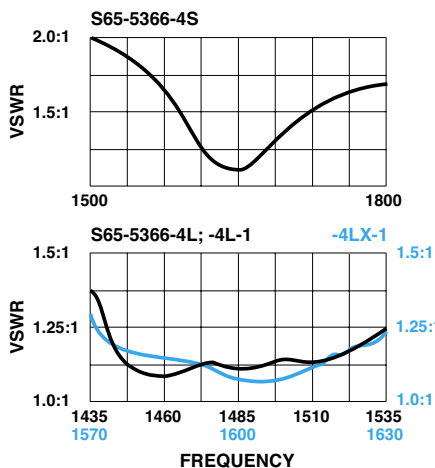
S65-5366-4S: All metal aluminum casting. DC grounded for aircraft, drone and missiles. Light weight and low drag. High Mach number application. VSWR less than 2.0:1 across Telemetry Band. Base radius fits missiles and drones.

FEDERAL & MILITARY SPECS: FAA TSO C66a and C74, MIL-STD-810, MIL-E-5400, MIL-A-7772, MIL-A-25708, MIL-A-25730, MIL-A-9094, MIL-B-5087.

CONNECTOR CHART

MODEL	CONNECTOR	MODEL	CONNECTOR
4L	C	4LX-1	N
4L-1	TNC	4S	TNC

PERFORMANCE



SPECIFICATIONS

ELECTRICAL

	S65-5366-4L S65-5366-4L-1	L-BAND S65-5366-4LX-1	S65-5366-4S
Frequency	1435-1535 MHz	1570-1630 MHz	1500-1800 MHz
VSWR	1.5:1	1.5:1	2.0:1
Pattern	Omni/Az Cos/EI	Omni/Az Cos/EI	Omni/Az Cos/EI
Polarization	Vertical	Vertical	Vertical
Impedance	50 ohms	50 ohms	50 ohms
Power	4000 kw/pk 100 w/cont	4000 kw/pk 100 w/cont	50 watts
Lightning Protection ...		DC grounded	

MECHANICAL

Weight	2.8 oz.	4 oz.	2 oz.
Height	1.8 in.	2.33 in.	1.50 in.
Material	A356-T61 aluminum casting		
Finish	Skydrol resistant enamel		
Connector	See connector chart		
Drag	1 oz. Mach .85 @35,000 ft.		

ENVIRONMENTAL

Temperature	-65°F to +203°F	-60°F to +160°F
Vibration	10 G's	
Temperature	70,000 ft.	60,000 ft.

OUTLINE DRAWING

