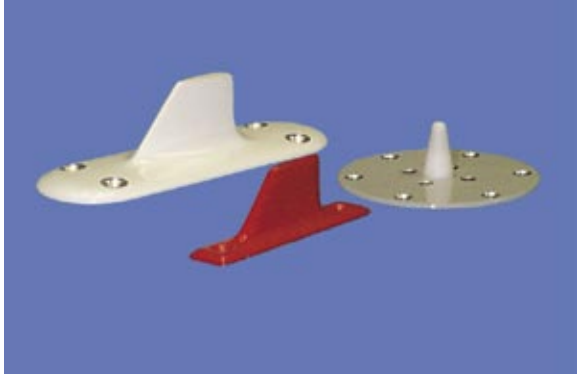


C/S-Band S65-5366-Series Telemetry



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

DESCRIPTION

S65-5366-1S: Aluminum blade designed for telemetry and beacons in high-performance aircraft and missiles. Small size provides low drag. Leading edge provides resistance to erosion, shock, and vibration. DC grounded. Hermetically sealed.

S65-5366-31S: Same as (-30) except for no circular base plate and only 2 mounting holes.

S65-5366-71S: Aluminum blade antenna designed for spread spectrum local area network communication utilizing IEEE 802.11. Common 4 hole base plate design provides a common installation for commercial airline application.

S65-5366-72S: Same as -71S except 5.25-5.825 GHz.

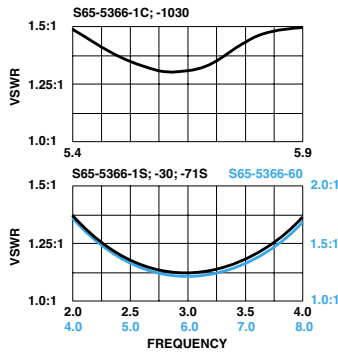
S65-5366-1C; -30, -60: Small teflon glass stub designed for universal mount with circular base plate. Basic antenna may be modified to meet customer's specific frequency specifications.

NSN: 5985-00-787-2277 (-1C).

S65-5366-1030: Same as (-1C) except no circular mounting flange.

FEDERAL & MILITARY SPECS: MIL-STD-810, MIL-E-5400, MIL-A-7772, MIL-A-9094, MIL-B-5087.

PERFORMANCE



SPECIFICATIONS

C-BAND	S-BAND	C-BAND
S65-5366-1C	S65-5366-1S	S65-5366-60
S65-5366-1030	S65-5366-31S	S65-5366-72S
	S65-5366-71S	
	S65-5366-30	

ELECTRICAL

Frequency	5.4-5.9 GHz	2.2-2.4 GHz (-1S)	4.0-8.0 GHz
		2.2-2.5 GHz (-71S)	5.25-5.875 GHz (-72S)
		2.0-4.0 GHz (-30)(-31S)	
VSWR	1.5:1	1.5:1 (-1S) (-71S)	2.0:1
		2.0:1 (-30)	
Pattern	Omni-Directional	Omni-Directional	Omni-Directional
Polarization	Vertical	Vertical	Vertical
Impedance	50 ohms	50 ohms	50 ohms
Power	1000 w/pk	1000 w/pk	1000 w/pk
Lightning Protection		DC grounded	

MECHANICAL

Weight	2 oz.	1.5 oz. (-1030)	3 oz. (-71S)
Height80 in. (-1C)	1.04 in. (-1S)	.80 in.
	1.15 in. (-1030)	1.35 in. (-30)	1.3 in. (-71S)
Material	6061-T6 (-1S)	6061-T6 / teflon glass	
		(1C; -30; -60; -1030)	
		A-356 Aluminum Alloy (-71S)	
Finish		Skydrol resistant enamel	
Connector		TNC	
		TM (-1S)	

ENVIRONMENTAL

Temperature	-65°F to +185°F
Vibration	10 G's
Altitude	70,000 ft.

OUTLINE DRAWING

