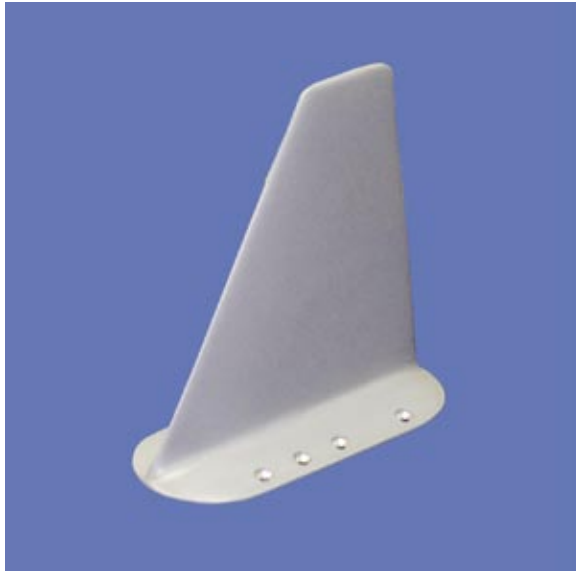


UHF/L-BAND S65-1607; -1609



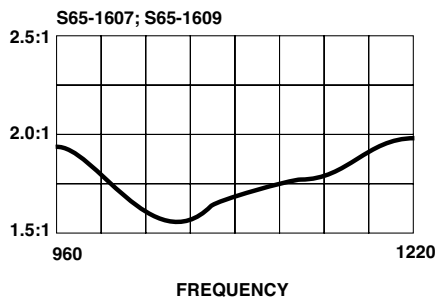
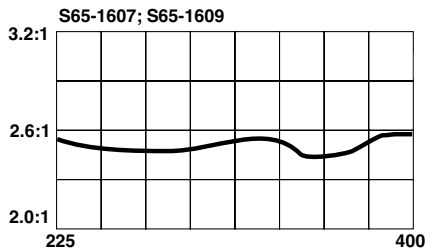
DESCRIPTION

S65-1607: All metal, DC grounded to provide lightning protection. Internal filters providing 50 dB isolation are incorporated into the base. Conforms to military mounting pattern. Hermetically sealed. For application on high-speed military aircraft.

S65-1609: Same as (-1607) except 10 hole mounting pattern and 20 inch radius base. Designed for F-15.

FEDERAL & MILITARY SPECS: MIL-E-5400, MIL-STD-810, MIL-E-5272, MIL-A-9094, MIL-A-7772, MIL-A-6271.

PERFORMANCE



SPECIFICATIONS

UHF

L-BAND

Dual Frequency S65-1607 S65-1609

ELECTRICAL

Frequency	225-400 MHz	960-1220MHz
VSWR	2.6:1	1.8:1 (1000-1100) 2.0:1 (960-1220)
Pattern	Omni/AZ Cos/EL	Omni/Az Cos/EL
Polarization	Vertical	Vertical
Impedance	50 ohms	50 ohms
Power	100 watts 15 w/avg	3000 w/pk
Isolation	50 dB	50 dB
Lightning Protection	DC grounded	DC grounded

MECHANICAL

Weight	30 oz.
Height	7.70 in.
Material	A356-T61 aluminum
Finish	Skydrol resistant enamel
Connector	TNC TNC (1607) SC (1609)
Drag	1.5 lbs. Mach .85 @35,000 ft.

ENVIRONMENTAL

Side Load	12 psi
Temperature	-100°F to +275°F
Vibration	10 G's
Altitude	70,000 ft.

OUTLINE DRAWING

