

VHF S65-111-Series



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

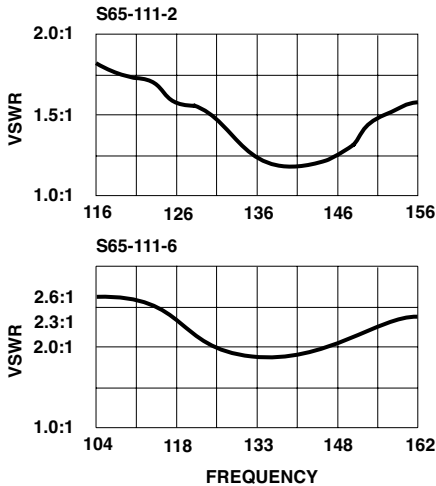
DESCRIPTION

S65-111-2: All metal, DC grounded to provide lightning protection. Broadband frequency range. Low drag. Extremely rugged. Provides high degree of structural rigidity and protection from rain erosion and sand/gravel abrasion. Eliminates "P" static. Hermetically sealed. Interchangeable with Collins 37R-2.

S65-111-6: Same as S65-111-2 except for frequency range, 90° TNC forward angle connector, and 14.50 inch height. For SAAB JAS-39.

FEDERAL & MILITARY SPECS: FAA TSO C37b and C38b. DO-160, MIL-STD-810, MIL-E-5400, MIL-E-5272, MIL-A-7772 (ASG), MIL-A-6271, MIL-A-9094.

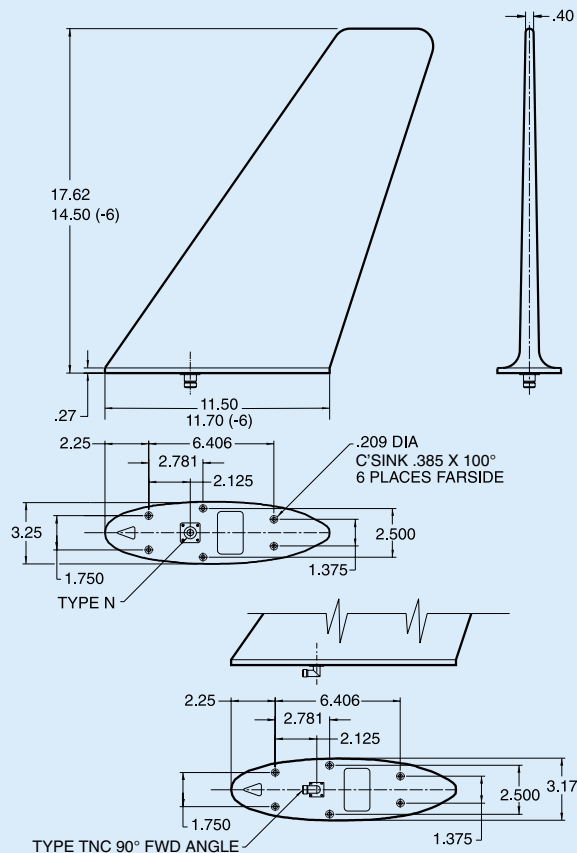
PERFORMANCE



SPECIFICATIONS

	S65-111-2	S65-111-6
ELECTRICAL		
Frequency	116-156 MHz	104-162 MHz
VSWR	2.0:1	2.6:1 (104-116) 2.0:1 (116-152) 2.3:1 (152-162)
Pattern	Omni/Az Cos/EI	Omni/Az Cos/EI
Polarization	Vertical	Vertical
Impedance	50 ohms	50 ohms
Power	100 watts	100 watts
Lightning Protection	DC grounded	
MECHANICAL		
Weight	3.8 lbs.	4.2 lbs.
Height	17.62 in.	14.50 in.
Material	A356-T61 aluminum casting	
Finish	Skydrol resistant enamel	
Connector	N	TNC
Drag	2.5 lbs. Mach .85 @35,000 ft.	
ENVIRONMENTAL		
Side Load	12 psi	
Temperature	-65°F to +185°F	
Vibration	14 G's	
Altitude	60,000 ft.	

OUTLINE DRAWING



S65-111-2

S65-111-6