

VHF S65-8280-42; -45



US Patent No. 4,509,053

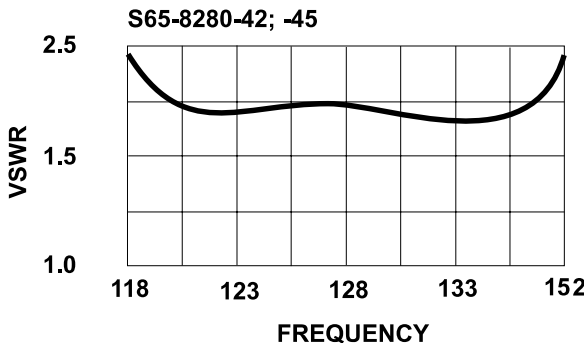
DESCRIPTION

S65-8280-42: An all metal DC grounded VHF Communications antenna for General Aviation and Corporate Aircraft, with speeds up to 600 mph. The all metal design eliminates "P" static and is hermetically sealed which provides for a light-weight, low-drag, rugged designed package. Four hole bolt pattern. Interchangeable with Chelton 21-38 series and Dayton Granger VFS10-90 series.

S65-8280-45: Same as (-42) except BNC type connector and 6 hole bolt pattern. Interchangeable with Collins 37R-2, DMC-60, Dayton Granger VC10-126, and Chelton 12-1 through 12-7 series.

FEDERAL & MILITARY SPECS: FAA TSO C37b and 38b. MIL-STD-810, MIL-E-5400, MIL-A-6271,

PERFORMANCE



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SPECIFICATIONS

	VHF	
	S65-8280-42	S65-8280-45
ELECTRICAL		
Frequency	118-152 MHz	118-152 MHz
VSWR	2.5:1	2.5:1
Pattern	Omni/Az	Omni/Az
		Cos/EI
Cos/EI		
Polarization	Vertical	Vertical
Impedance	50 ohms	50 ohms
Power	40 watts	40 watts
Lightning Protection	DC Grounded	
MECHANICAL		
Weight	2.0 lbs.	2.0 lbs.
Height	10 in.	10 in.
Material	A 356 - T61 aluminium casting	
Finish	skydrol resistant enamel	
Connector	TNC	BNC
Drag	0.9 lbs. Mach .85 @ 35,000 ft.	
ENVIRONMENTAL		
Side Load	12 psi	
Temperature	-65°F to +185°F	
Vibration	10 G's	
Altitude	60,000 ft.	

OUTLINE DRAWING

