

# ▼ VHF S65-8280-41; -44



US Patent No. 4,509,053

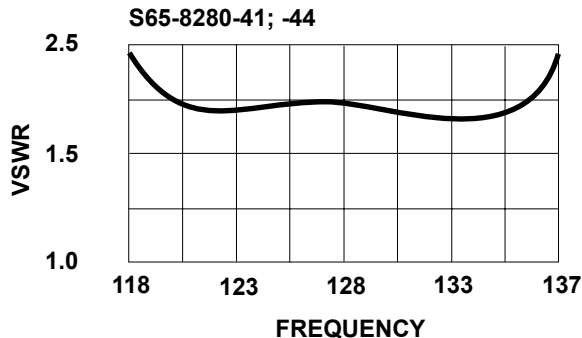
## DESCRIPTION

**S65-8280-41:** 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 antenna. Six hole bolt pattern. Interchangeable with Chelton 16-21 series and Dayton Granger VF10-347 series.

**S65-8280-44:** Same as (-41) except TNC type connector. Interchangeable with Chelton 16-21 series and Dayton Granger VF10-347 series.

**FEDERAL & MILITARY SPECS:** FAA TSO C37b and 38b. MIL-STD-810, MIL-E-5400, MIL-A-6271, IIL-A-7772 (ASG), MIL-A-9094, MIL-B-5087.

## PERFORMANCE



## SPECIFICATIONS

	S65-8280-41	S65-8280-44
<b>ELECTRICAL</b>		
Frequency	118-137 MHz	118-137 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	DC Grounded
<b>MECHANICAL</b>		
Weight	1.7 lbs.	1.7 lbs
Height	10 in.	10 in.
Material	A 356 - T61 aluminium casting	
Finish	skydrol resistant enamel	
Connector	BNC	TNC
Drag	0.9 lbs. Mach .85 @ 35,000 ft.	
<b>ENVIRONMENTAL</b>		
Side Load	12 psi	
Temperature	-65°F to +185°F	
Vibration	10 G's	
Altitude	60,000 ft.	

## OUTLINE DRAWING

