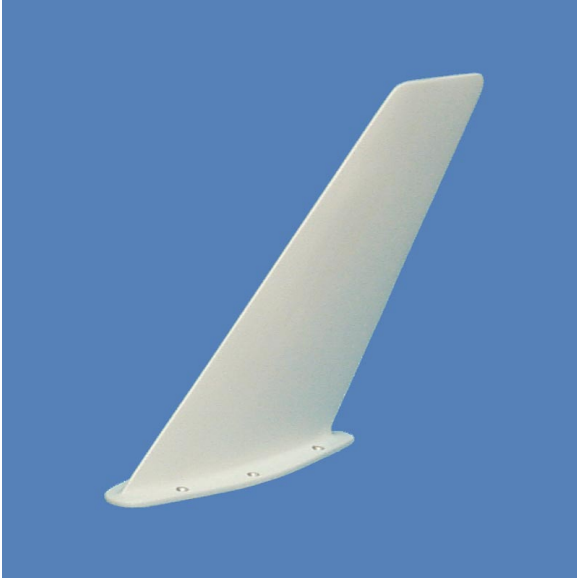


VHF S65-8280-Series



U.S. Patent No. 4,509,053

DESCRIPTION

S65-8280-10: Broadband, all-metal, DC grounded to provide lightning protection. For commuter and corporate aircraft with speeds up to 600 mph. Eliminates "P" static. Hermetically sealed. Interchangeable with Collins 37R-2, VC10-126, DMC 60 and other VHF communications antennas. MTBF: 18,000 hours. Color: white or lusterless black (customer option).

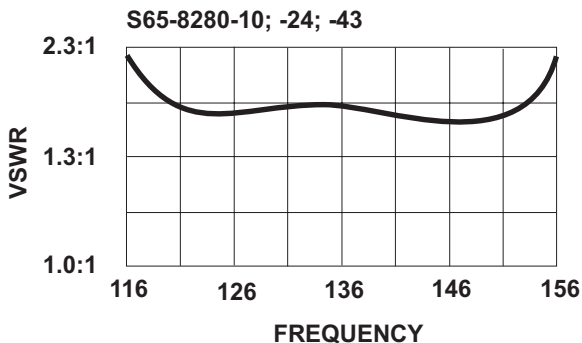
NSN: 5985-01-080-8452

S65-8280-24: Same as (-10) except "C" type connector. Fokker 50/100.

S65-8280-43: Same as (-10) except connector location. SAAB 340.2000.

FEDERAL & MILITARY SPECS: FAA TSO C37b and C38b. MIL-STD-810, MIL-E-5400, MIL-A-6271, MIL-A-7772 (ASG), MIL-A-9094, MIL-B-5087.

PERFORMANCE



SPECIFICATIONS

	S65-8280-10 S65-8280-43	S65-8280-24
Frequency	116-156 MHz	116-156 MHz
VSWR	2.3:1	2.3:1
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	2.8 lbs.
Height	11.85 in.
Material	A356-T61 aluminum casting
Finish	Skydrol resistant enamel
Connector	BNC C
Drag	1.5 lbs. Mach .85 @ 35,000 ft.

ENVIRONMENTAL

Side Load	12 psi
Temperature	-60°F to +185°F
Vibration	14 G's
Altitude	60,000 ft.

OUTLINE DRAWING

