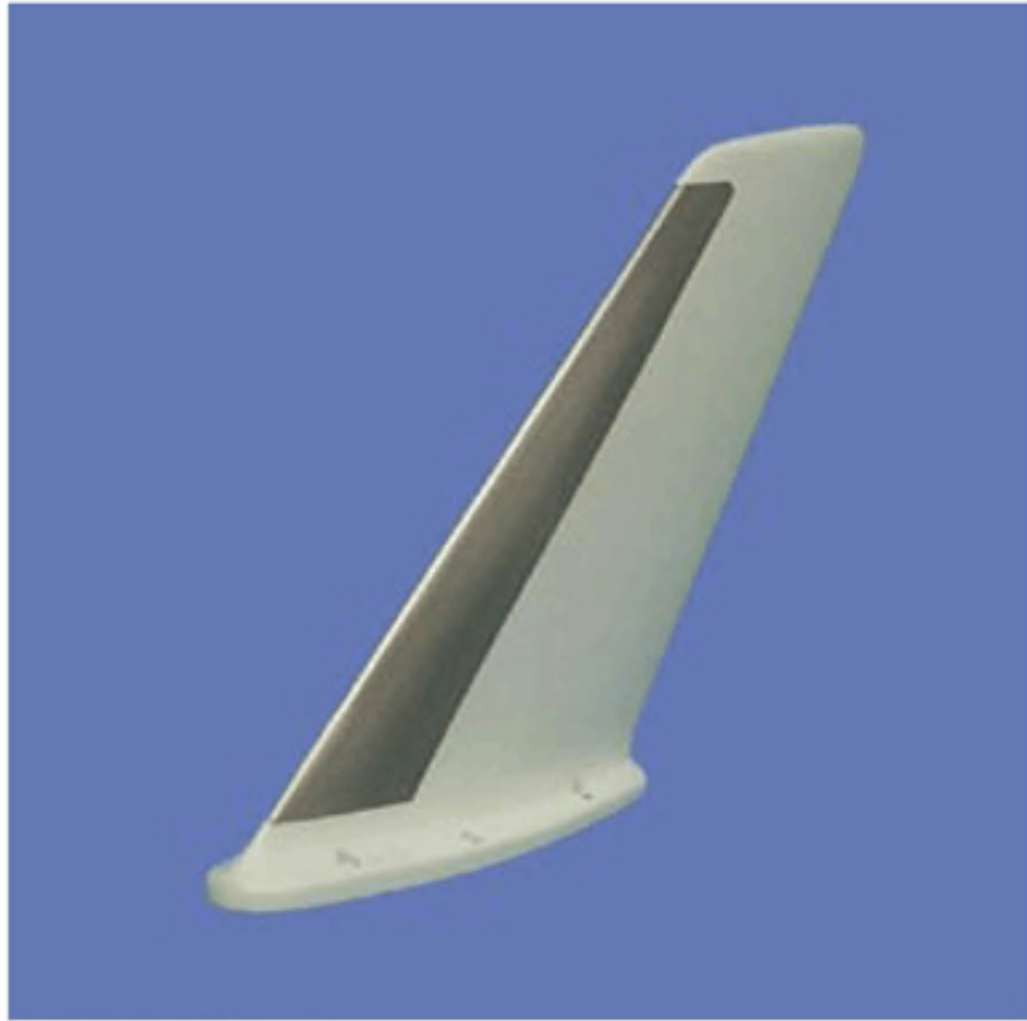


**DESCRIPTION**

S65-8282-34: For speeds up to Mach 2.0 with low drag. Designed for use with AN/ARC-182 or similar VHF/AM/FM/UHF transmitter at 30-88/108-174/225-400 MHz. Provides low VSWR over operating band. Six-hole bolt pattern. Interchangeable with Collins 37R-2U. Hermetically sealed. Designed for universal mounting. Ideal for antenna replacement in existing systems where a dual frequency antenna capable of handling 40 watts is required.

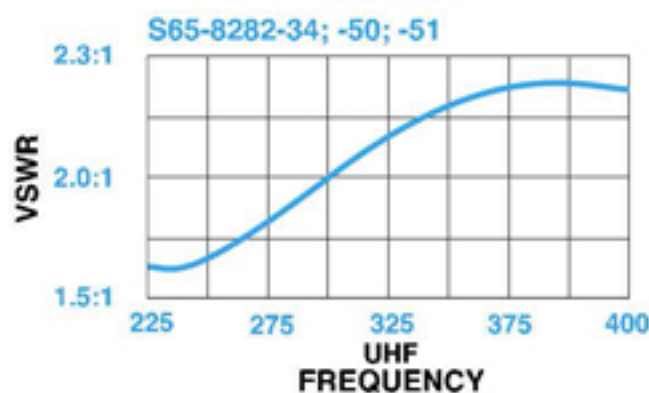
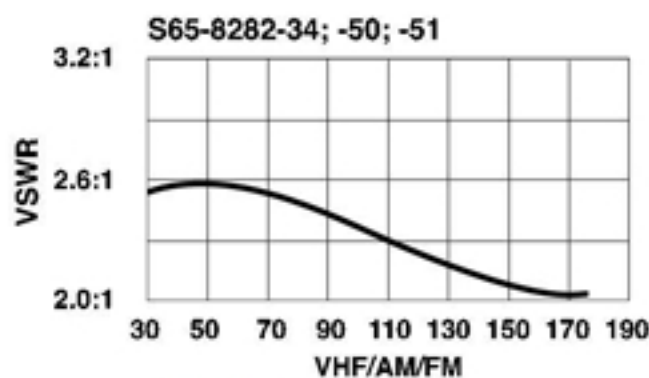
NSN: 5985-01-208-2985ZN.

S65-8282-50: Same as (-34) except for right angle TNC connector and 15" pigtail. Fits F-5.

NSN: 5985-55-501-0410.

S65-8282-51: Same as (-34) except for 100 watt power.

FEDERAL & MILITARY SPECS: FAA TSO C37b, C38b and C59. MIL-STD-810, MIL-E-5400, MIL-A-7772 (ASG), MIL-A-9094, MIL-B-5087.

PERFORMANCE**SPECIFICATIONS****VHF/FM****VHF/AM****UHF**

S65-8282-34
S65-8282-50
S65-8282-51

ELECTRICAL

Frequency	30-88 MHz	108-174 MHz	225-400 MHz
VSWR	2.6:1	2.3:1	2.3:1
Pattern	Omni/Az	Omni/Az	Omni/Az
	Cos/EI	Cos/EI	Cos/EI
Polarization	Vertical	Vertical	Vertical
Impedance	50 ohms	50 ohms	50 ohms
Power	40 w (-34, -50) 100 w (-51)	40 w (-34, -50) 100 w (-51)	100 w (-34;-50;-51)
Lightning Protection		DC grounded	

MECHANICAL

Weight	2.5 lbs.
Height	11.85 in.
Material	St. steel / AL-A356-T61 / glass
Finish	Skydrol resistant enamel
Connector	TNC (-34, -51) / TNC Right Angle (-50)
Drag	1.0 lb. Mach .85 @ 35,000 ft.

ENVIRONMENTAL

Side Load	6 psi
Temperature	-65°F to +160°F
Vibration	10G's
Altitude	60,000 ft.

OUTLINE DRAWING