

UHF/L-Band S65-1226-Series



U.S. Patent No. 4,509,053
3,220,006

DESCRIPTION

S65-1226: All metal, DC grounded to provide lightning protection. Internal filters providing 40 dB isolation are incorporated into the base. Conforms to military mounting pattern. Hermetically sealed. For high-speed military aircraft.

NSN: 5985-00-274-2265.

S65-1226-2: Same as (-1226) except for power and connectors. 150 watt continuous (UHF), 4000 watt peak/250 watts average at 40,000 ft. (L-Band).

S65-1226-4: Same as (-1226) except for curved base and connectors. 20-inch radius.

S65-1226-5: Same as (-1226) except for curved base and connectors. UHF frequency 223-408 MHz. L-Band frequency 1600-1835 MHz.

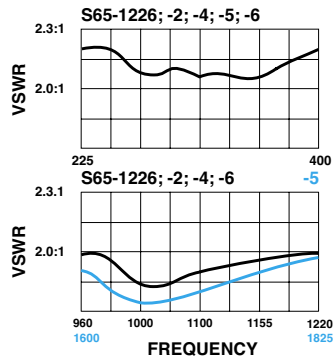
S65-1226-6: Same as (-1226) except for connectors.

FEDERAL & MILITARY SPECS: MIL-STD-810, MIL-E-5400, MIL-A-9094, MIL-B-5087.

CONNECTOR CHART

	BASIC	-2	-4	-5	-6
UHF	N	TNC	TNC	TNC	TNC
L-BAND	N	SC	SC	N	N

PERFORMANCE



SPECIFICATIONS

	L-BAND		UHF	L-BAND	
	Dual Freq.			Dual Freq.	
	S65-1226	S65-1226-4		S65-1226-5	
	S65-1226-2	S65-1226-6			
	S65-1226-61				

ELECTRICAL

Frequency	960-1220 MHz	225-400 MHz	1600-1825 MHz
	(-61)1290-1500MHz	223-408 MHz (-5)	
VSWR	2.3:1	2.4:1	2.0:1
	1.8:1	2.6:1 (-5)	
	(1000-1100 MHz)		
Pattern	1/4 wave monopole		+ 6 dBi FWD
Polarization	Vertical	Vertical	Vertical
Impedance	50 ohms	50 ohms	50 ohms
Power	4000 w/pk	100 watts	3000 w/pk
			15 w/avg
			50 dB
Isolation	40 dB	40 dB	
Lightning Protection	DC grounded		

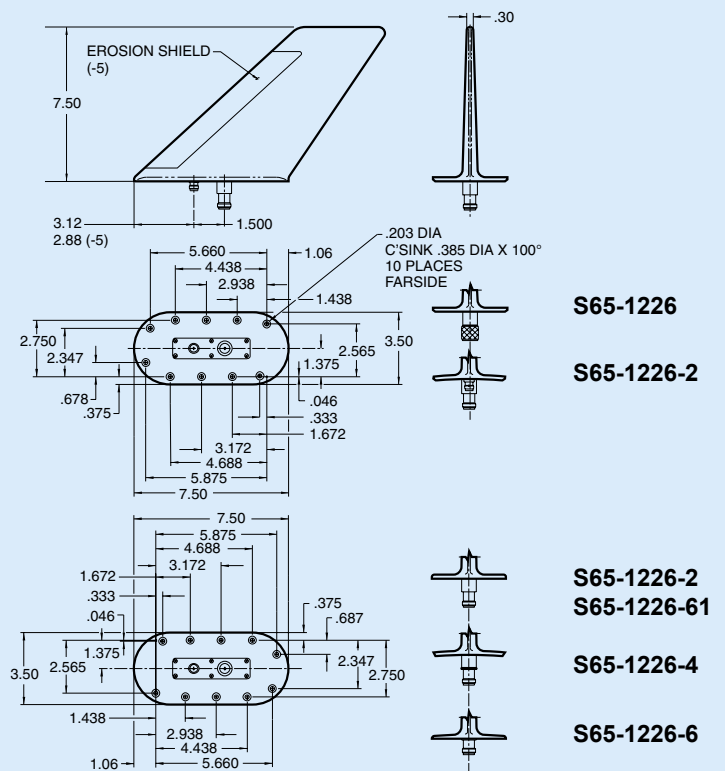
MECHANICAL

Weight	30 oz.
Height	7.5 in.
Material	A356-T61 aluminum casting
Finish	Skydrol resistant enamel
Connector	See connector chart
Drag7 lbs. Mach .85 @ 35,000 ft.

ENVIRONMENTAL

Side Load	12 psi
Temperature	-65°F to +203°F
Vibration	30 G's
	22 G's
Altitude	70,000 ft.

OUTLINE DRAWING



S65-1226

S65-1226-2

S65-1226-2

S65-1226-61

S65-1226-4

S65-1226-6