

S65-1217: Vertically polarized, swept-back UHF blade. Conforms to AT-896/A specs. Designed for military command systems frequencies of 390-450 MHz. High-strength aluminum die casting. Intended for speeds up to Mach 2.0 with low drag. DC grounded to provide lightning protection. Connector is forward mounted. Six-hole bolt pattern. Hermetically sealed.

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

S65-1217

The graph shows the Voltage Standing Wave Ratio (VSWR) as a function of frequency for the S65-1217 antenna. The y-axis is labeled 'VSWR' and ranges from 1.0:1 to 2.0:1. The x-axis is labeled 'FREQUENCY' and ranges from 390 to 450 MHz. The curve shows a minimum VSWR of approximately 1.65:1 at 420 MHz and a maximum VSWR of approximately 1.95:1 at 450 MHz.

FREQUENCY (MHz)	VSWR
390	1.90:1
405	1.68:1
420	1.65:1
435	1.75:1
450	1.95:1



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UHF
S65-1217

Frequency	390-450 MHz
VSWR	2.0:1 (390-450)
	1.7:1 (402-420)
Pattern	1/4 wave monopole
Polarization	Vertical
Impedance	50 ohms
Power	100 watts average
Lightning Protection ...	DC grounded

Weight	11 oz.
Height	5.31 in.
Material	A380 aluminum casting
Finish	Skydrol resistant enamel
Connector	N
Drag	5 lbs. Mach .85 @ 35,000 ft.

Side Load 8 psi
Temperature..... -65°F to +185°F
Vibration..... 10 G's
Altitude..... 70,000 ft.

5.31

1.40

.15

TYPE N

2.375

.205 DIA
C'SINK .375 DIA X 100°
6 PLACES
FAR SIDE

2.00

1.375

1.062

.600

2.50

1.187

5.00

S65

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