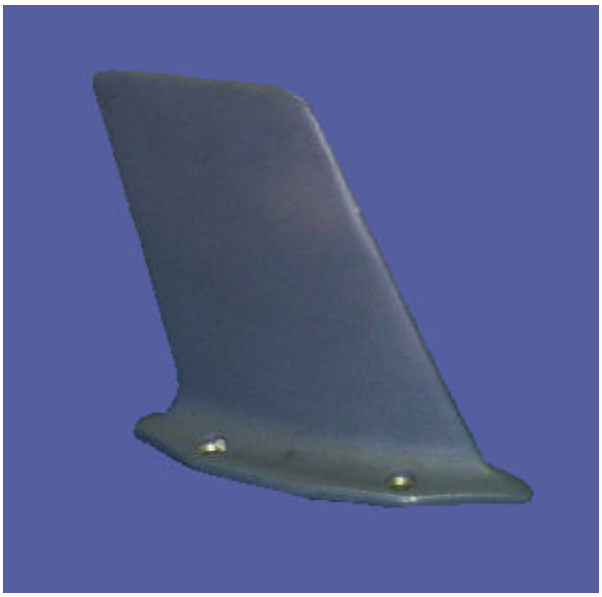
UHF S65-1016-420



DESCRIPTION

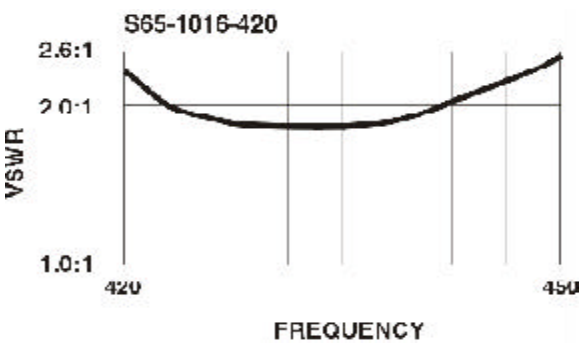
S65-1016-420: Vertically polarized, swept-back UHF blade. Designed for military command systems frequencies of 420-450 MHz. High-strength aluminum die casting. Intended for speeds up to Mach 2.0 with low drag. DC grounded to provide lightning protection. Connector is forward mounted. Four-hole bolt pattern. Hermetically sealed. MTBF: 12,000 hours.

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

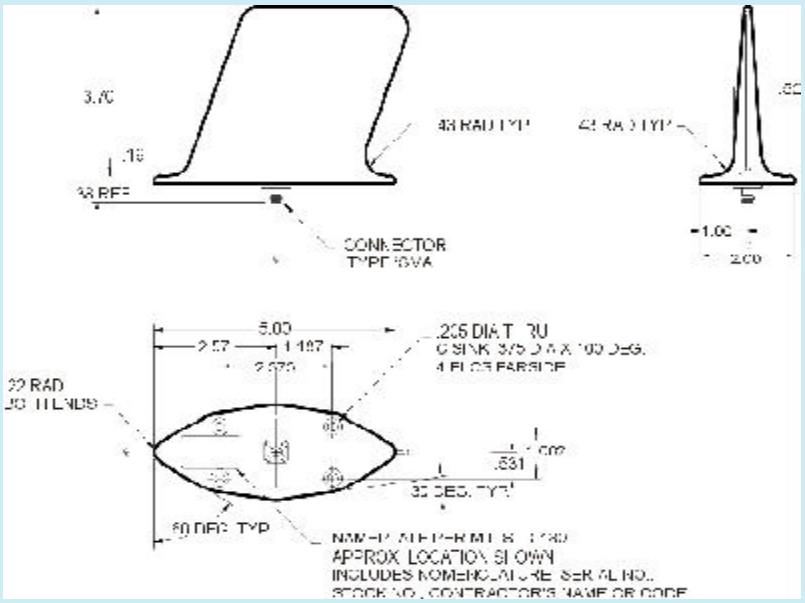
SPECIFICATIONS

	UHF
	S65-1016-420
ELECTRICAL	
Frequency	420-450 MHz
VSWR	≤2.5:1
Pattern	1/4 wave monopole
Polarization	Vertical
Impedance	50 ohms
Power	100 watts average
Lightning Protection	DC grounded
MECHANICAL	
Weight	9 oz.
Height	3.7 in.
Material	A380 aluminum casting
Finish	Skydrol resistant enamel
Connector	SMA
Drag	<0.5 lbs. Mach .85 @ 35,000 ft.
ENVIRONMENTAL	
Side Load	8 psi
Temperature	-65°F to +185°F
Vibration	10 G's
Altitude	70,000 ft.

PERFORMANCE



OUTLINE DRAWING



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