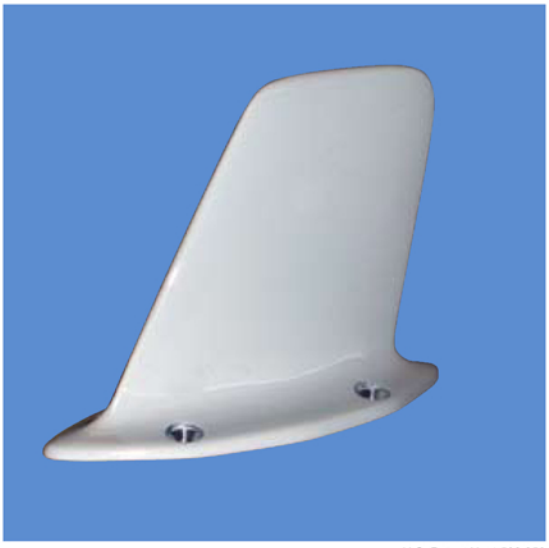
UHF S65-1016-420



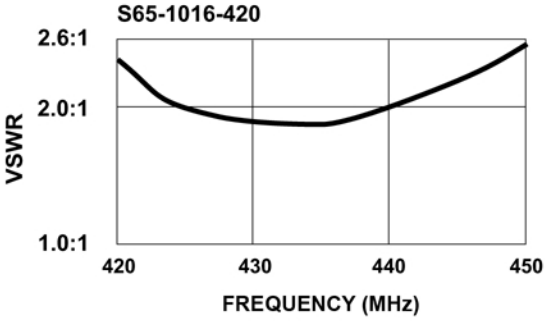
U.S. Patent No.4,509,053

DESCRIPTION

S65-1016-420: Vertically polarized, swept-back UHF blade. Designed for military command system 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. Four-hole bolt pattern. Hermetically sealed.

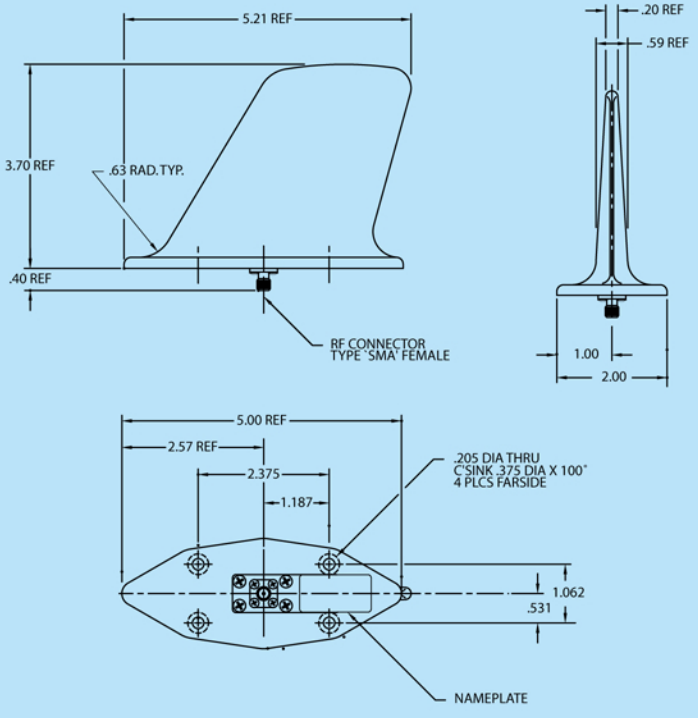
FEDERAL & MILITARY SPECS: MIL-HDBK-5400, MIL-STD-810

PERFORMANCE



SPECIFICATIONS	
MODELS	**S65-1016-420**
ELECTRICAL	
Frequency	420 to 450MHz
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	3.70 in.
Length	5.00 in.
Width	2.00 in.
Material	A356 Aluminum Casting
Finish	Skydrol Resistant Enamel
Connector	SMA Female
Drag	<0.5 lbs. Mach .85 @ 35,000 ft.
ENVIRONMENTAL	
Temperature	-54°C (-65°F) to +85°C (+185°F)
Vibration	10 Gs
Altitude	70,000 ft.

S65-1016-420



Note: For Reference Only.
Contact Sensor Systems for the latest engineering drawings.

Doc # DS S65-1016-420_A, 053014: MRKT **MDV** ENG **RC** QC **DJ**

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