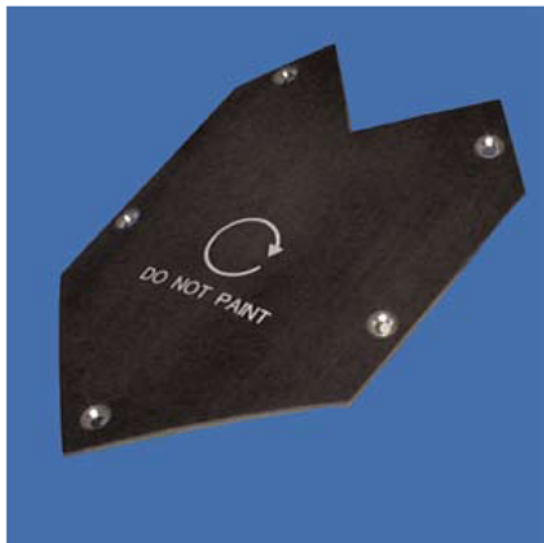


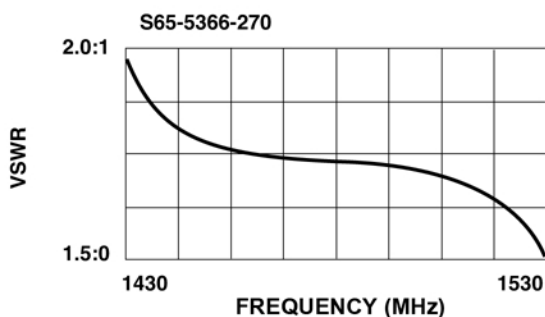


DESCRIPTION

S65-5366-270: This conformal L-Band Antenna is designed to obtain the lowest possible radar cross section. This antenna provides omni-directional coverage. The antenna housing is machined from aluminum and the O.M.L. of the antenna may be changed to meet specific requirements. The antenna is normally furnished with a right angle SMA connector but other connectors are available as options.

FEDERAL & MILITARY SPECS: MIL-DTL-5541, MIL-E-5400, MIL-STD-810.

PERFORMANCE



SPECIFICATIONS	
MODEL	S65-5366-270
ELECTRICAL	
Frequency	1430 - 1530 MHz
VSWR.-	≤ 2.0:1
Polarization	RHCP
Impedance	50 Ohms
Axial Ratio	≤ 4 dB @ Zenith
Gain Coverage (min)	-1.0 dBic 0° ≤ θ ≤ 75° -2.5 dBic 75° < θ ≤ 80° -4.5 dBic 80° < θ ≤ 85° -7.5 dBic θ = 90° @ Horizon
Power Handling	2 Watts
MECHANICAL	
Weight	8 oz.
Height	Conformal
Length	6.63 in.
Width	4.50 in.
Material	6061-T6 Aluminum Alloy / Teflon Glass
Finish	Iridite per MIL-DTL-5541
Connector	SMA Female
ENVIRONMENTAL	
Temperature	-62°C (-80°F) to +95°C (+203°F)
Vibration	10 Gs
Altitude	-1500 to 70,000 ft

