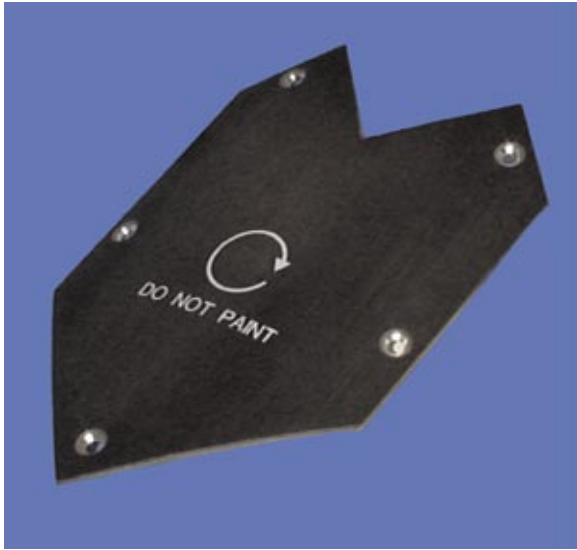


L-Band S67-5366-270

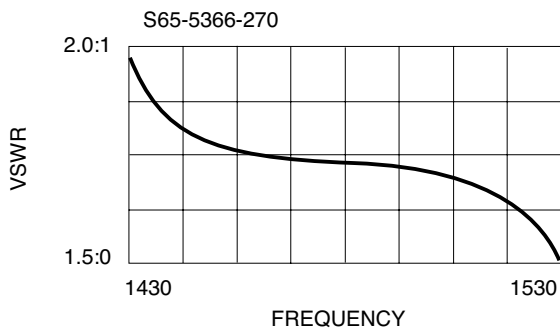


DESCRIPTION

S67-5366-270: This conformal "L-Band" antenna is designed to obtain the lowest possible radar cross section. This antenna provides omnidirectional coverage with a minimum gain of +1 dBic at zenith. 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 with other connectors available as options.

FEDERAL & MILITARY SPECS: AMS-C-5541, MIL-E-5400, MIL-STD-810

PERFORMANCE



SPECIFICATIONS

L-BAND S65-5366-270

ELECTRICAL

Frequency	1430 - 1530 MHz
VSWR-	≤ 2.0:1
Polarization	RHCP
Impedance	50 ohms
Axial Ratio	≤ 4 dBic @ 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.
Length	6.63 in.
Width	4.50 in.
Material	6061-T6 aluminum / teflon
Finish	Iridite per AMS-C-5541
Connector	"SMA" FEMALE

ENVIRONMENTAL

Temperature	-80°F to +203°F
Vibration	10 G's
Altitude	70,000 ft.

OUTLINE DRAWING

