

C-Band S65-5366-271

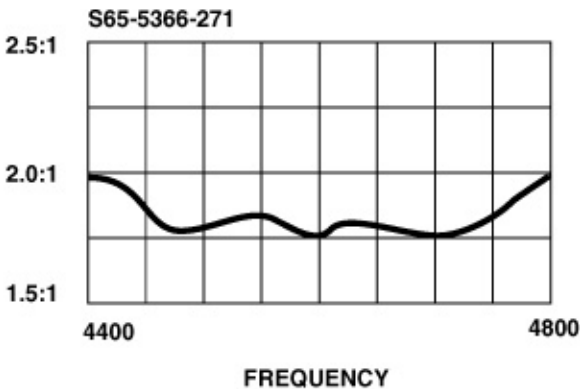


DESCRIPTION

S65-5366-271: This conformal C-Band antenna is designed to obtain the lowest possible radar cross section. This antenna provides omnidirectional coverage with a minimum gain of +3 dBic at zenith. The antenna housing is machined from aluminum and the O.M.L. of the antenna can be modified to meet a specific requirement. The antenna is normally furnished with a right angle "SMA" connector with other connectors available as options.

FEDERAL AND MILITARY SPECS: MIL-STD-810, MIL-E-5400.

PERFORMANCE



SPECIFICATIONS

C-BAND S65-5366-271

ELECTRICAL

Frequency	4.4-4.8 GHz
VSWR	≤ 2.0:1
Polarization	RHCP
Impedance	50 ohms
Antenna Gain (Typ)	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 7 watt Peak
Lightning Protection ... DC grounded

MECHANICAL

Weight	3 oz.
Width	3.8 in.
Length	3.8 in.
Material	6061-T6 aluminum / teflon glass
Finish	Iridite per AMS-C-5541
Connector	SMA

ENVIRONMENTAL

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

OUTLINE DRAWING

