



VHF Antenna S37A101-B0

S37A101-B0 is a vertically polarized VHF broadband blade antenna, designed for omni-directional transmission and reception in the frequency band of 20-88 MHz.

Electrical design consists of broadband matching circuits coupled to a single co-axial connector to provide VHF electrical characteristics. The antenna comprises of a fiber glass vacuum moulded aerodynamic shell in single-piece, designed for a rugged and reliable structure providing environmental and mechanical integrity to fulfill military, regulatory and statutory standards. S37A101-B0 is suitable for various communication application on supersonic and subsonic aerodynes with fixed wing or rotor wing.

ELECTRICAL SPECIFICATION

Frequency Range	: 20-88 MHz
VSWR	: 3.5:1 Max
Pattern	: Nominally Omnidirectional in Azimuth
Impedance	: 50Ω
Polarization	: Vertical (Vertically Mounted)
RF Power	: 35W CW
Static Protection	: By DC Grounding



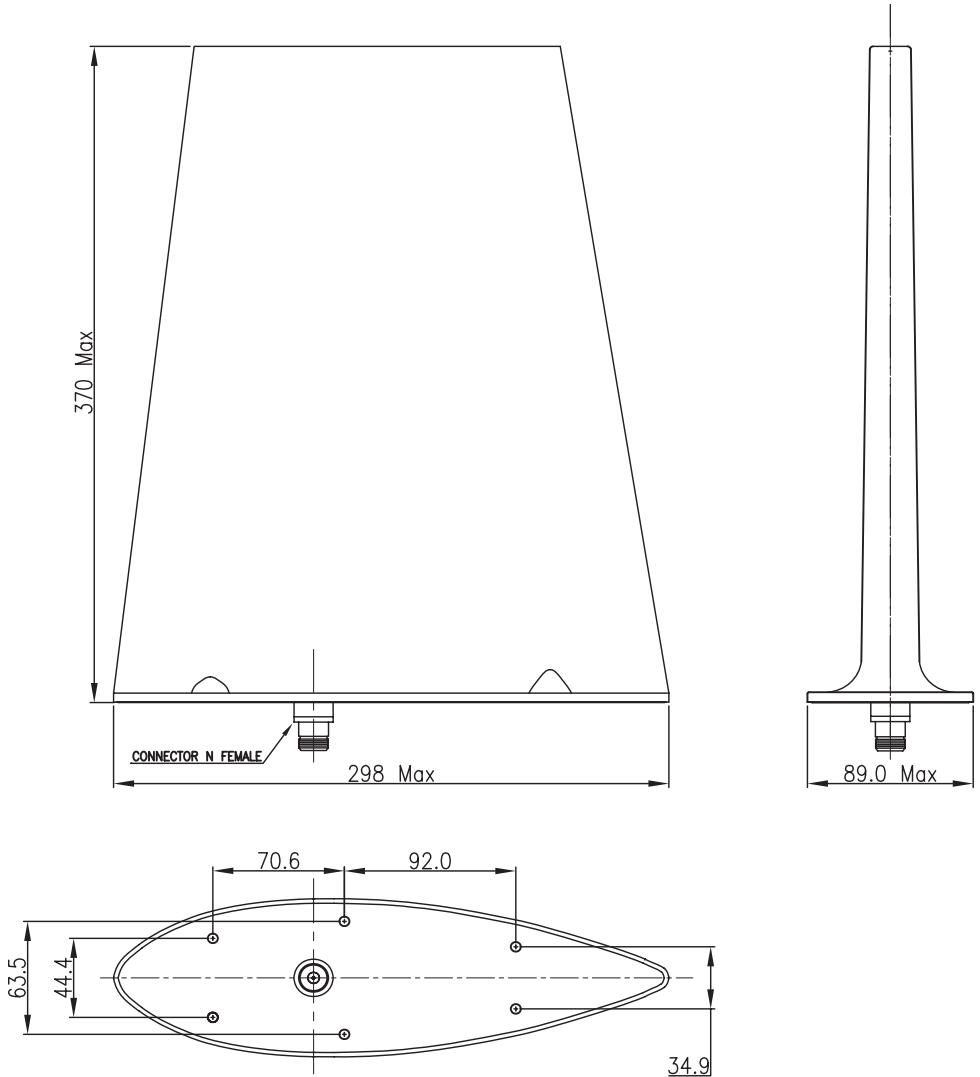
ENVIRONMENTAL SPECIFICATION

Temperature Range	: -54°C to +90°C
Altitude	: 60,000 Feet
Generally in accordance with MIL-STD-810	

MECHANICAL SPECIFICATION

Weight	: 1600 Grams (Max)
Height	: 370 mm (Max)
Colour	: White
Finish	: Gloss
Connector	: N Female Standard
Dimension	: Refer Drawing Overleaf

DRAWING SPECIFICATION FOR VHF ANTENNA S37A101-B0



All dimensions are in mm
Drawing not to scale

Six fixing hole with 5.5 mm diameter
Counter-bored 12.7 mm



For installation use factory supplied drawings and instructions

Spectrum Antenna & Avionics Systems (P) Ltd, Cochin, India.

Contact for custom requirements

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