



V/UHF Antenna S38B101-C0

S38B101-C0 is a vertically polarized V/UHF broadband blade antenna, designed for omni-directional transmission and reception in the frequency band of 30-520 MHz.

Electrical design consists of broadband matching circuits coupled to a single co-axial connector to provide VHF and UHF 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. S38B101-C0 is suitable for various communication application on supersonic and subsonic aerodynes with fixed wing or rotor wing.

ELECTRICAL SPECIFICATION

Frequency Range	: 30-520 MHz
VSWR	: 2.9:1 Max (30-88 MHz) 2.5:1 Max (108-174 MHz) 2.0:1 Max (225-520 MHz)
Pattern	: Nominally Omnidirectional in Azimuth
Impedance	: 50Ω
Polarization	: Vertical (Vertically Mounted)
RF Power	: 50W CW
Static Protection	: By DC Grounding



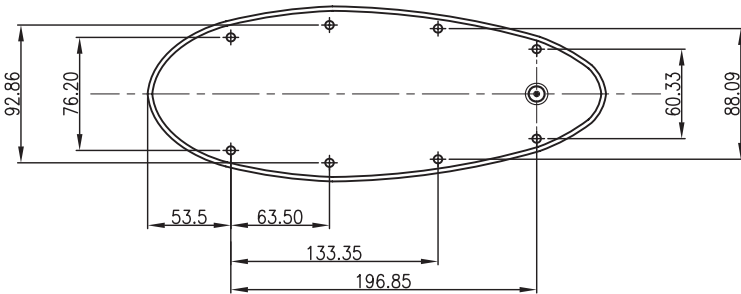
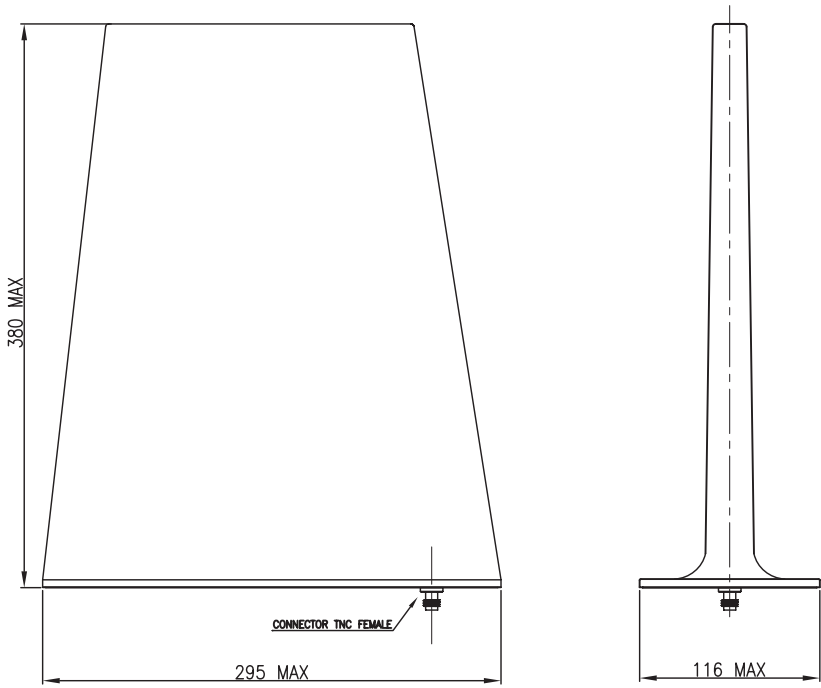
ENVIRONMENTAL SPECIFICATION

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

MECHANICAL SPECIFICATION

Weight	: 1800 Grams (Max)
Height	: 380 mm (Max)
Colour	: White
Finish	: Gloss
Connector	: TNC Female Standard
Dimension	: Refer Drawing Overleaf

DRAWING SPECIFICATION FOR V/UHF ANTENNA S38B101-C0



All dimensions are in mm
Drawing not to scale

Eight 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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