



VOR/ILS Antenna S15B101-C2

S15B101-C2 is a low profile light weight VHF Omni range (VOR) / Localizer (LOC) / Glide slope (GS) antenna, designed for operating in a dual frequency band of 108-118MHz and 328-336MHz. Electrical design consists of filter networks and matching circuits coupled to a single co-axial connector to provide dual band 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. S15B101-C2 is suitable for ILS application on supersonic and subsonic aerodynes.

ELECTRICAL SPECIFICATION

Frequency Range	: 108-118 MHZ (VOR/LOC)
	: 328-336 MHZ (Glideslope)
VSWR	: 5.0:1(108-118 MHz)
	: 3.0:1(329-335 MHz)
Pattern	: Omni Directional (VOR/LOC)
	: Forward Looking Lobe (GS)
Impedance	: 50Ω
Polarization	: Horizontal
Static Protection	: By DC Grounding



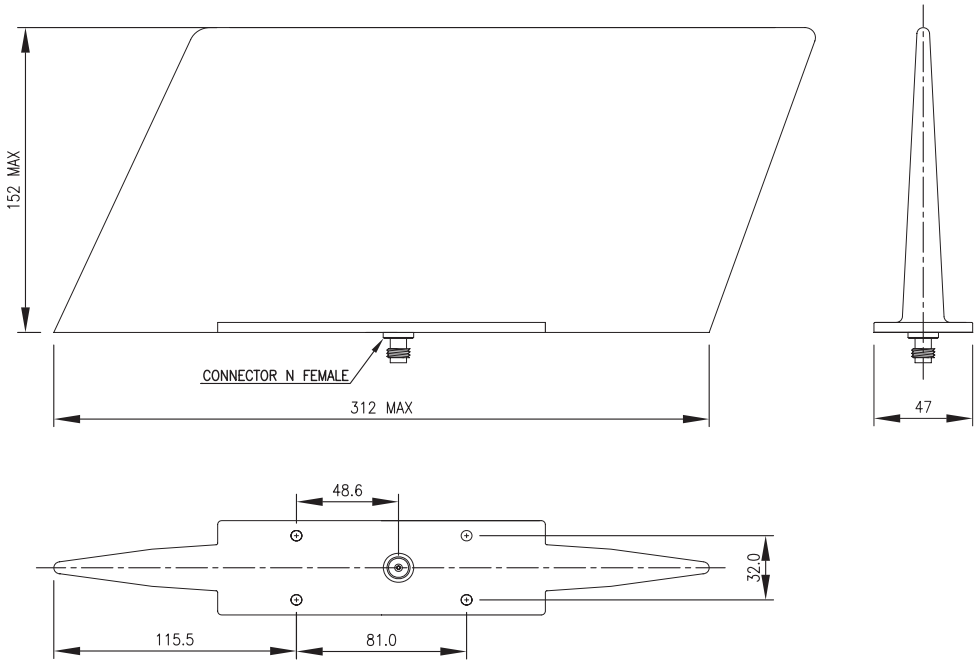
ENVIRONMENTAL SPECIFICATION

Temperature Range	: -54°C to +90°C
Altitude	: 50,000 Feet
Generally in accordance with MIL-STD-810	

MECHANICAL SPECIFICATION

Weight	: 790 Grams (Max)
Height	: 152 mm (Max)
Colour	: Black
Finish	: Matt
Connector	: TNC Female
Dimension	: Refer Drawing Overleaf

DRAWING SPECIFICATION FOR VOR/ILS ANTENNA S15B101-C2



All dimensions are in mm
Drawing not to scale

Four fixing hole with 5.2 mm diameter
Counter-bored 10.0 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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