



GPS Antenna S01D102-D6

S01D102-D6 is a active GPS Antenna, designed for operating and providing coverage in the frequency band of 1559 - 1591MHZ.

Electrical design involves a radiating element printed on a high stability substrate and terminated via co-axial connector. Almost flush mount aerodynamic structure is provided for achieving improved performance with reduced size. This antenna is design with an intention to withstand all sever environmental conditions experienced on high speed military aircrafts and fulfil regulatory standards. S01D102-D6 is suitable for surveying applications on fixed wing & rotor wing, subsonic / supersonic aerodynes.

ELECTRICAL SPECIFICATION

Frequency Range	: 1559 - 1591 MHZ (L1)
VSWR	: $\leq 2.0:1$
Polarization	: RHCP
Axial ratio	: $\leq 3\text{dB}$ at bore sight
Impedance	: 50Ω
Voltage	: 2.8 - 3.3 V
Gain	: 26dB
Power	: 1 Watt



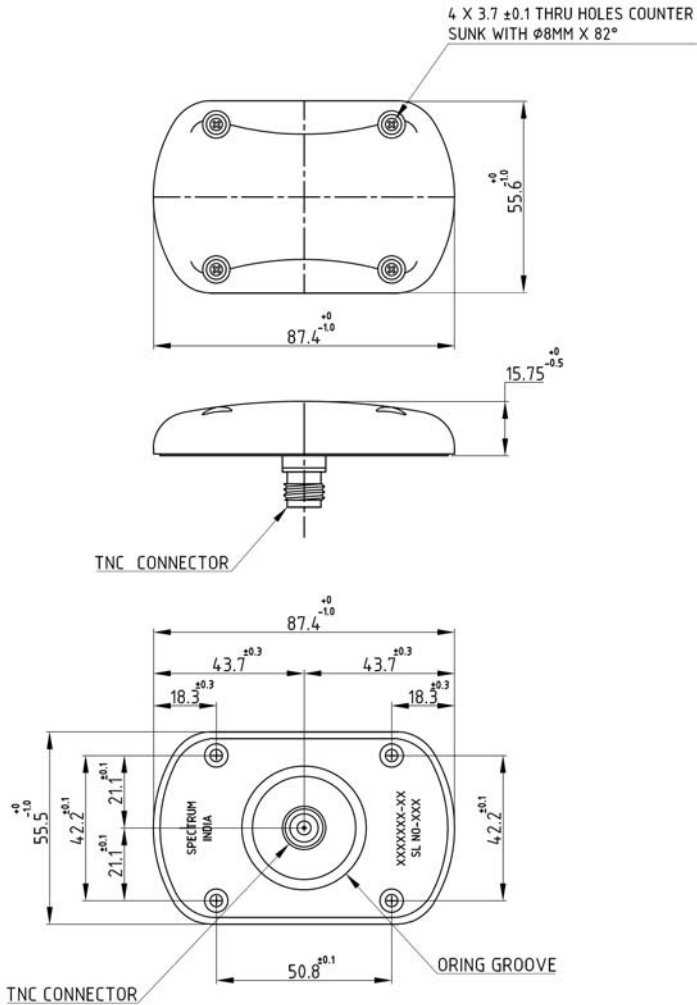
ENVIRONMENTAL SPECIFICATION

Temperature Range	: -40°C to $+90^{\circ}\text{C}$
Altitude	: 50,000 Feet
Tested as per MIL-STD-810/JSS 55555	

MECHANICAL SPECIFICATION

Weight	: 110 Grams (Max)
Height	: 17 mm (Max)
Colour	: White
Connector	: TNC Female Standard
Radome	: Reinforced Glass Epoxy

DRAWING SPECIFICATION FOR GPS ANTENNA S01D102-D6



All dimensions are in mm
Drawing not to scale

Four fixing hole with 3.8 mm diameter
Counter bored 8.5 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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