



## Helical Antenna S15F101-F0

S15F101-F0 is a helical antenna designed to operate in the frequency of 5000-6000MHz with a single N connector port designed to transmit and receive the signals. The helical structure is designed to provide high performance with reduced weight. This antenna is also designed with a specification to withstand all severe environmental conditions experienced on ground platforms.

### ELECTRICAL SPECIFICATION

Frequency Range	: 5000 - 6000 MHZ
VSWR	: 2:1 Typical, 2.5:1(Max)
Polarization	: Circular (RHCP/LHCP)
Radiation Pattern	: Directional
Impedance	: 50Ω
Gain	: ≥ 10 dBi
Power	: 100W CW



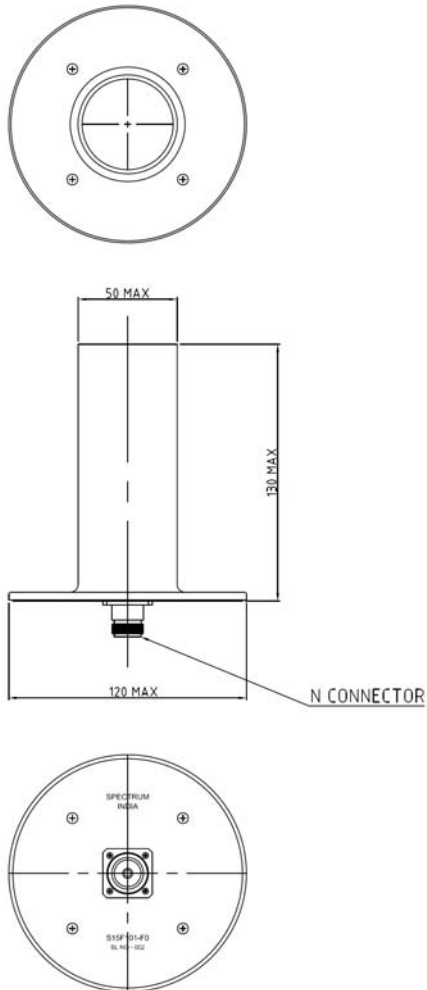
### ENVIRONMENTAL SPECIFICATION

Storage Temperature	: -40°C to +80°C
Operating Temperature	: -30°C to +70°C
Wind Rating	: Upto 200Km/Hr
Generally in accordance with MIL-STD-810	

### MECHANICAL SPECIFICATION

Weight	: 250 Grams (Max)
Length	: 150 mm (Max)
Colour	: Grey
Connector	: N Female Standard
Radome	: Reinforced Glass Epoxy

# DRAWING SPECIFICATION FOR HELICAL ANTENNA S15F101-F0



All dimensions are in mm.  
Drawing not to scale.

Four mounting hole with  $\text{Ø}5.4\text{mm}$  equi-spaced on 79mm PCD.



For installation use factory supplied drawings and instructions

Specifications are subjected to change without prior notice

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