



## Helical Antenna S85C101-C0

S85C101-C0 is a helical antenna designed to operate in the frequency of 433-475MHz 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	: 433 - 475 MHZ
VSWR	: 2:1 Typical, 2.5:1(Max)
Polarization	: Circular (RHCP/LHCP)
Radiation Pattern	: Directional
Impedance	: 50Ω
Gain	: ≥9.5 dBi
Power	: 100W CW

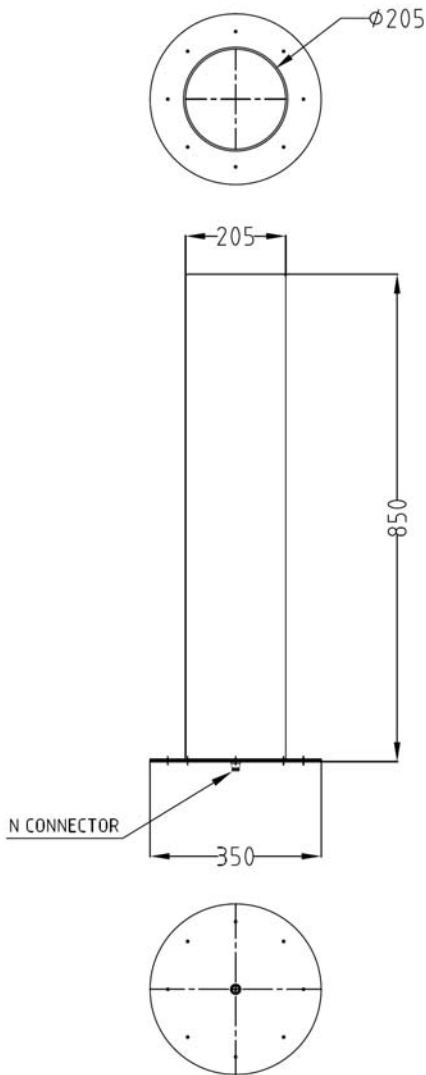


### ENVIRONMENTAL SPECIFICATION

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	: 3000 Grams (Max)
Length	: 850 mm (Max)
Colour	: Grey
Connector	: N Female Standard
Radome	: Reinforced Glass Epoxy



All dimensions are in mm.  
Drawing not to scale.

Eight mounting holes with  $\phi 5.4$ mm equi-spaced on 275mm PCD.



For installation use factory supplied drawings and instructions

Specifications are subjected to change without prior notice

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

Contact for custom requirements