



# ANTENNA EXPERTS

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Model # SAT-225-400C                      225 – 400 MHz.                      6dBic Gain

## SATCOM ON-THE-MOVE X WINGS ANTENNA

**DESIGN FEATURES:** The SAT-225-400C is single mode UHF SATCOM antenna which is ideal for SATCOM On-The-Move (SOTM) operation. The SATCOM antenna can be used for communicating with satellites low on the horizon. SAT-225-400C can be used with most tactical Multi-Band, Multi-Mode Receivers (MBMMR), as well as all airborne and ground transceivers that accept 50 ohm antenna impedance.



The Antenna is highly suitable for SATCOM – Satellite high angle coverage and low angle air-to-air or air-to-ground communications.

SAT-225-400C SATCOM antenna features of a single port high angle (RHCP) and low angle antenna system that is suitable for installation on vehicular, shipboard and ground shelter applications. No diplexer or switching is required.

### ELECTRICAL SPECIFICATIONS:

Frequency Range	225 - 400 MHz.
Gain	6 dBic.
Bandwidth	Entire 225-400 MHz.
Polarization	Right Hand Circular (RHCP)
Input Impedance	50 Ohms.
Axial Ratio –Half Power Points	3 dB.
VSWR – Better Than	1:3.0
RF Power Handling Capacity	100 Watts.
Input Termination	N-Female

### MECHANICAL SPECIFICATIONS:

Connector Materials	Silver Plated Brass
Gross Weight	3.5 Kgs.
Wind Rating	180 Km/Hr.
Overall Length	300 mm
Overall Width	600 mm
Radiating Materials	Aluminum
Finish	Military Color

### ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature	(-) 30 to +70 Degrees Celsius
Storage Temperature	(-) 40 to +80 Degrees Celsius
Humidity	0 to 95% RH