

SNXP

A0812-0515-0148 UHF Antenna
For Tactical SatCom Links



Compact antenna optimised for low elevation angle coverage

For fixed, on the move and maritime applications

The A0812-0515-0148 is a compact, omni-directional UHF SatCom antenna which has been optimised for coverage at low elevation angles. This is achieved without compromising the high elevation angle coverage.

The A0812-0515-0148 antenna is finished in Desert Sand Colour CARC paint

The antenna is intended for fixed, land vehicle and maritime applications.

FEATURES

- Receive frequency range 240 to 270 MHz
- Transmit frequency range 290 to 320 MHz
- Continuous coverage over all elevations with a single antenna
- Optimised performance for Satcom use in the 10-50° elevation range
- Improved receive coverage at low elevation angles
- Good circular polarization coverage at low elevation to reduce fading susceptibility
- Built in Ground-plane for maximum flexibility and ease of installation.



Specifications

Parameter

Specification

Frequency	243 to 318 MHz
Gain	3 to 5 dBic on peak, minimum 0 dBic average from 10° to 25° above the horizon (dependent on ground plane)
VSWR	1.5 :1
Impedance	50 Ω
Connector	N-type Female connector
Polarization	RHCP (IEEE)
Azimuth radiation pattern	Omni-directional
Power handling	200 W max

Environmental

Temperature	-51°C to +71°C
Rain	Sealed watertight
Ice	Glaze ice, land equipment
Humidity	Induced high humidity (cyclic)
Altitude	15000 ft
Salt fog	Aggravated screening
Vibration	Application induced ground mobile and marine environments, Transportation induced

Physical

Colour	Desert Sand (CARC)
Dimensions	330 mm (13.0 ins) diameter at base 386 mm (15.2 ins) high
Weight	5 kg (11 lbs) max



SNXP reserves the right to change the specifications without notice

Contact Sales@SNXP.com, T +44 1652 678 201 F +44 8706 221 825 www.snxp.com