

Universal Antenna Base with Built-In GPS Antenna

1 MHz – 1 GHz

VERSION: 1.5

Product Code: UBS-6G



SPECIFICATIONS:

Electrical:	
Frequency range	1 MHz – 1 GHz
Power input:	
1 - 30 MHz	400 W
30 – 400 MHz	200 W
400 – 1000 MHz	100 W
Nominal input impedance	50 Ω
Connectors	N-Type female (RA22-0243X-01)* BNC female (RA22-0245X-01)*
Mechanical:	
Dimensions	Length: 230 mm
Total mass	1.8 kg
Environmental: designed to meet the following specifications	
Designed to meet MIL-STD-810F	
GPS ANTENNA SPECIFICATIONS :	
Electrical:	
Frequency	GPS L1 band (1575 MHz)
VSWR	< 2:1
Connector	SMA female (RA22-0243-01) TNC female (RA22-0245-01)
Nominal input impedance	50 Ω
Polarisation	Right-hand circular
Gain	26 dB (+-2 dB)
Supply voltage	3 V (+- 0.3 V)
Current draw	20 mA max.
Operating Temperature	-30 °C to 70 °C
Environmental: designed to meet the following specifications	
Designed to meet MIL-STD-810F	

PRODUCT FEATURES:

- Wideband (1 MHz to 1 GHz)
- Designed for use with VCF antenna range
- Built-in GPS antenna

APPLICATIONS:

- For use with VCF antenna range

PRODUCT DESCRIPTION:

The UBS-6G is a direct replacement for the UBS-6 universal base and is compatible with all of the VCF range of mobile centre-fed antennas.

It has a built in GPS antenna with low noise amplifier (LNA) which ensures optimum performance in high RF environments.

*Please specify colour on order. In the product code, X denotes the colour code as per table below: (E.g. RA22-0243**B**-01, Green base)

Code:	Colour:
A	Brown/Dark earth
B	Green/Olive drab
C	Black
D	Grey/admiral grey
E	Sand stone