

# UWB Antennas



## SOLUTION FOR

- High speed data transmission for telecommunication applications

## Main features

### Technical performance

- Ultra wide bandwidth
- Omnidirectional pattern in azimuth
- Power handling up to 200 W

### Design

- Resists harsh environmental conditions

### Delivered documents

- Conformity certificate (measured VSWR)
- Instructions manual

### Related standards

- MIL STD 810 for UWB050-A
- IEC 60068 for UWB200 and UWB300

## Product configuration

### Equipment

- Radome

### Related services

- Maintenance and customization

■ Included □ Optional

### Electrical characteristics

Part number	UWB050-A	UWB200-A	UWB300-A
Frequency range	0.50 – 1.00 GHz	1.5 – 3.00 GHz	3.00 – 10.00 GHz
Gain	≥ 2 dBi	≥ 2 dBi	1 dBi at 3 GHz / 5 dBi at 10 GHz
CW power	200 W	20 W	20 W
Radiation pattern	360° (Ripple ± 2 dB)	360° (Ripple ± 2 dB)	360° (Ripple ± 2 dB)
VSWR	2.0:1	2.0:1	2.0:1
Type	Monopole	Monopole	Monopole
Impedance	50 Ohms	50 Ohms	50 Ohms
Polarization	Linear vertical	Linear vertical	Linear vertical

### Mechanical characteristics

Part number	UWB050-A	UWB200-A	UWB300-A
<b>Dimensions</b>			
Length (A)	220 mm	65 mm	47 mm
Diameter (B)	265 mm	45 mm	47 mm
Weight	1.7 Kg	< 150 g	< 100 g
Radome color	ABS ASA (White)*	ABS ASA (White)*	ABS ASA (White)*
Radome materials	Polycarbonate/ UV protected	Polycarbonate/ UV protected	Polycarbonate/ UV protected
Connector	N Female	SMA Female	SMA Female
Ingress protection	IP 67	IP 67	IP 67
Operating temperature	-40° C - +75° C	-40° C to +55° C	-40° C to +55° C

\* Color customization upon request

