

BROADBAND OMNIDIRECTIONAL ANTENNA

1.8 GHz TO 6.0 GHz

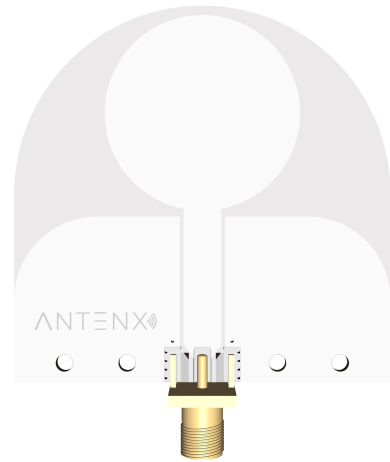
UWB2000-O

KEY FEATURES

- Very wide bandwidth and consistent omnidirectional radiation patterns
- VSWR typically below 2:1 with gain up to 3.8 dBi
- Extremely compact, thin, and lightweight
- Professionally designed and hand-tested by engineers in the United States

APPLICATIONS

- Measurement, test, and experimentation
- Wide bandwidth antenna for software-defined radios
- Many cellular bands and WiFi (2.4 GHz and 5.8 GHz)
- Electromagnetic surveillance
- University research projects (e.g., radar)



UWB2000-O

DESIGN SPECIFICATIONS

- Design: PCB Monopole
- Operating Frequency: 1.8 GHz to 6.0 GHz
- Polarization: Linear (horizontal/vertical based on orientation)
- Connector: SMA Female
- Body Material: FR-4
- Length: 2.2 in [56 mm]
- Width: 2.2 in [56 mm]
- Height: 0.25 in [6.35 mm] (including SMA connector)

PERFORMANCE SPECIFICATIONS

Parameter	Frequency	Min.	Typ.	Max.	Unit
VSWR	1.8 GHz – 2.0 GHz	2.0	2.5	3.0	–
	2.0 GHz – 6.0 GHz	1.3	1.6	2.0	–
Gain	1.8 GHz – 6.0 GHz	1.6	3.5	3.8	dBi
HPBW (E-Plane)	1.8 GHz – 6.0 GHz	50	65	84	deg.
Input Power	1.8 GHz – 6.0 GHz	–	–	10	dBm
Impedance	–	50			Ω
Connector	–	SMA (female)			–

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TYPICAL PERFORMANCE

