

# ULTRA-WIDEBAND DIRECTIONAL ANTENNA

## 1.45 GHz то 8.0 GHz

#### UWB1400-D

### KEY FEATURES

- Very wide bandwidth from 1.45 GHz to 8 GHz
- Directional radiation patterns with end-fire gain up to 8.5 dBi
- VSWR typically below 2.5:1
- Very thin, lightweight, and compact
- Professionally designed and hand-tested by engineers in the United States

#### **APPLICATIONS**

- Measurement, test, and experimentation
- Wide bandwidth antenna for software-defined radios
- Cellular (2G, 3G, 4G LTE, 5G) and WiFi (2.4 GHz and 5.8 GHz)
- Electromagnetic surveillance and direction finding
- University research projects

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UWB1400-D

## **PRODUCT OVERVIEW**

The UWB1400-D is an ultra-wideband directional antenna that operates from 1.45 GHz to 8 GHz. This high-performance antenna was professionally designed to achieve a very wide bandwidth and consistent radiation patterns in a compact and slim form-factor. Each antenna has been inspected and hand-tested by engineers in the USA to ensure performance characteristics. This versatile antenna has numerous applications including laboratory test and measurement, research and development, and experimentation with software defined radios.

## **PERFORMANCE DATA**

Parameter		Frequency	Min.	Тур.	Max.	Unit
VSWR		1.45 GHz – 8 GHz	1.2	2.0	3.1	
Gain		1.45 GHz – 8 GHz	3.4	7.5	8.5	dBi
HPBW	E-Plane H-Plane	1.45 GHz – 8 GHz	33 42	45 75	83 169	deg.
Input Power		1.45 GHz – 8 GHz			10	dBm
Impedance			50			Ω
Connector			SMA (female)			

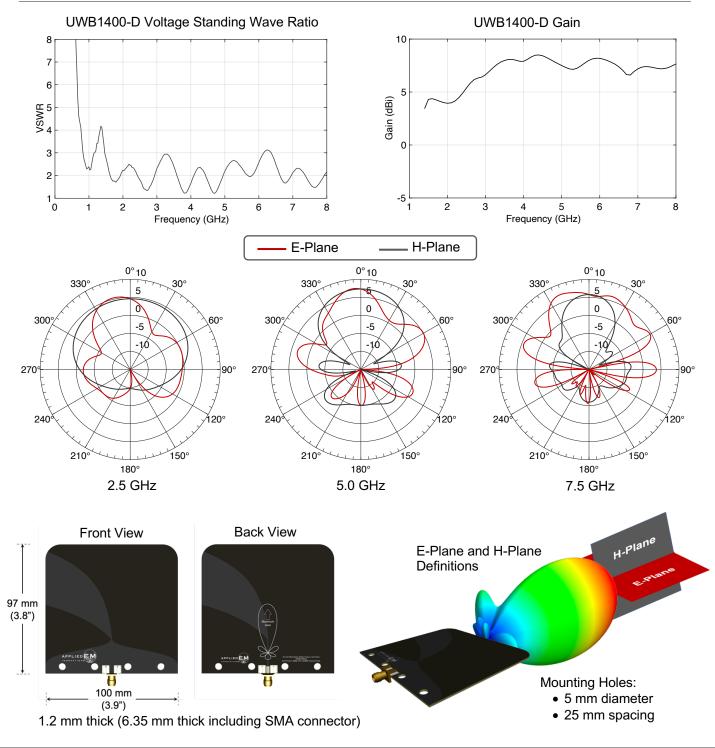


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## PERFORMANCE DATA (CONT.)



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