

ULTRA-WIDEBAND DIRECTIONAL ANTENNA

700 MHz to 8 GHz

UWB700-D

KEY FEATURES

- Extremely wide bandwidth and consistent directional radiation patterns with end-fire gain up to 9 dBi
- VSWR typically below 2:1
- Very thin, lightweight, and compact for a broadband directional antenna operating down to 700 MHz
- 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) and WiFi (2.4 GHz and 5.8 GHz)
- Electromagnetic surveillance and direction finding
- University research projects

PRODUCT OVERVIEW

The UWB700-D is an ultra-wideband directional antenna that operates from 700 MHz to 8 GHz. This high-performance antenna was professionally designed to achieve an extremely wide bandwidth and very 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		700 MHz – 1.2 GHz	1.9	2.3	3.0	
		1.2 GHz – 3.9 GHz	1.1	1.4	2.0	
		3.9 GHz – 8 GHz	1.4	1.9	2.6	
Gain		700 MHz – 8 GHz	3.0	8.0	8.7	dBi
HPBW	E-Plane H-Plane	700 MHz – 8 GHz	34 31	50 60	84 153	deg.
Input Power		700 MHz – 8 GHz			10	dBm
Impedance			50			Ω
Connector			SMA (female)			





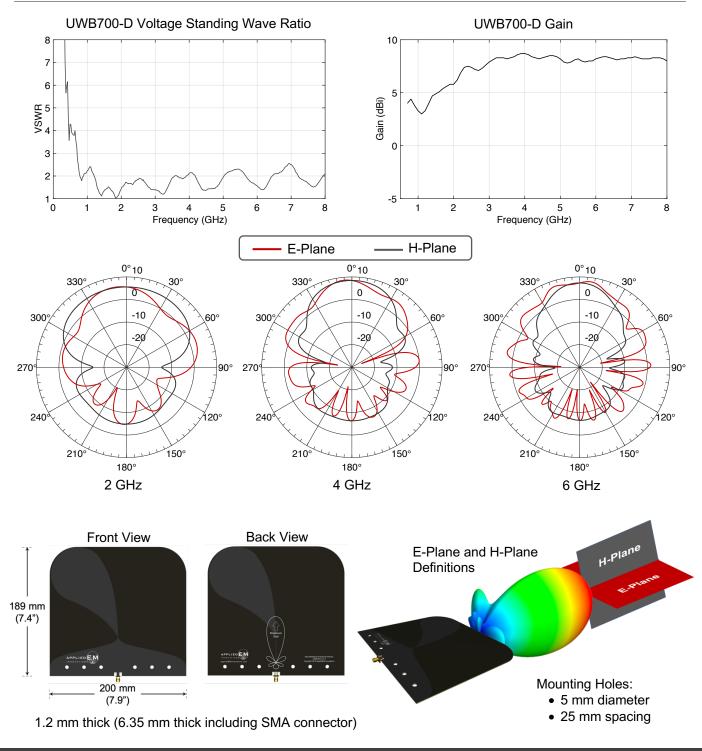


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PERFORMANCE DATA (CONT.)



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