

BROADBAND DUAL-RIDGE HORN ANTENNA

1.8 GHz TO 11.0 GHz

DRHA1800

KEY FEATURES

- Very wide bandwidth from 1.8 GHz to 11 GHz with directional radiation patterns
- VSWR typically below 2:1 with gain up to 13 dBi
- Durable all-metal design (aluminum)
- Low weight and compact size
- Professionally designed and hand-tested by engineers in the United States

SPECIFICATIONS

- Design: Dual-Ridge Horn
- Operating Frequency: 1.8 GHz to 11.0 GHz
- Polarization: Linear (horizontal/vertical based on orientation)
- Connector: SMA Female
- Construction: Solid Aluminum
- Mounting: 1/4 in screw holes (see diagram on page 4)
- Length: 3.1 in [79 mm]
- Width: 4.2 in [106 mm]
- Height: 4.3 in [109 mm]



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PERFORMANCE DATA

Parameter	Frequency	Min.	Typ.	Max.	Unit	
VSWR	1.8 GHz – 2.7 GHz	1.1	1.8	3.2	—	
	2.7 GHz – 7.0 GHz	1.1	1.8	3.0		
	7.0 GHz – 11.0 GHz	1.1	1.7	3.0		
Gain	1.8 GHz – 2.7 GHz	5.0	7.0	9.0	dBi	
	2.7 GHz – 7.0 GHz	6.5	10.0	13.0		
	7.0 GHz – 11.0 GHz	11.0	12.0	13.5		
HPBW	E-Plane H-Plane	1.8 GHz – 11.0 GHz	30	50	105	deg.
		30	45	85		
Input Power	1.8 GHz – 11.0 GHz	—	—	10	W	
Impedance	—	50			Ω	
Connector	—	SMA (female)			—	

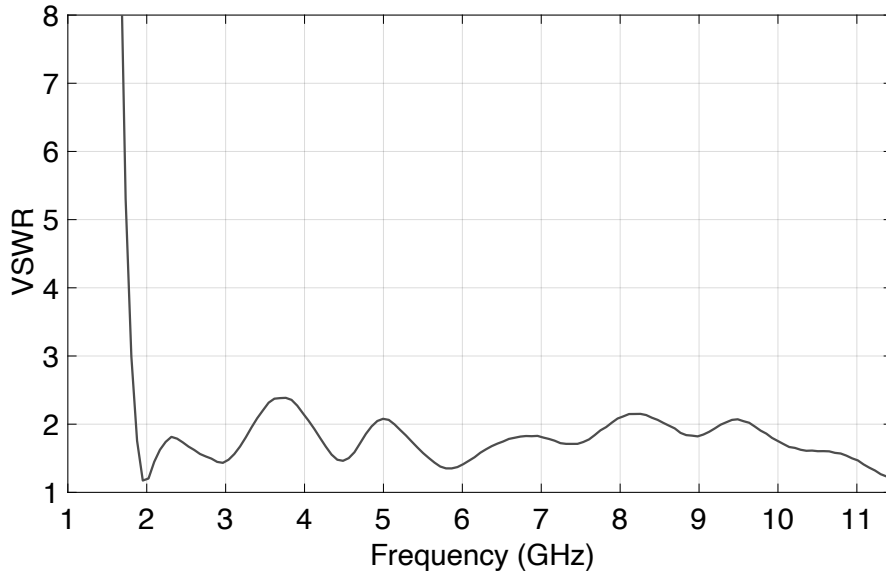
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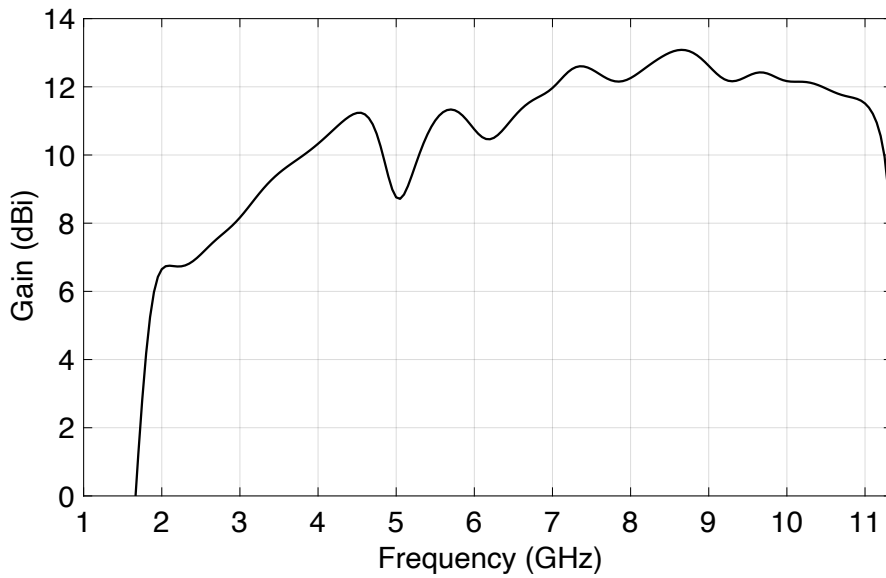
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PERFORMANCE DATA (CONT.)

DRHA1800 Voltage Standing Wave Ratio



DRHA1800 Gain



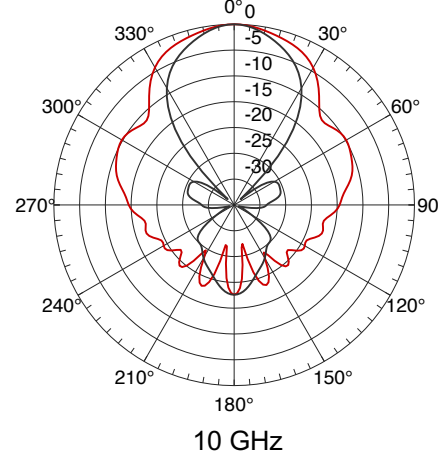
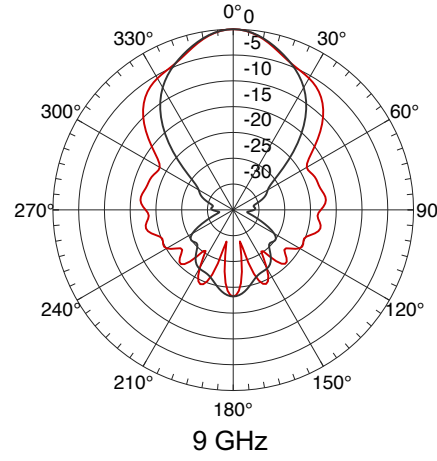
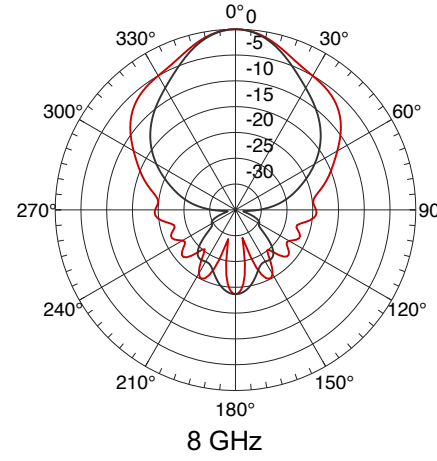
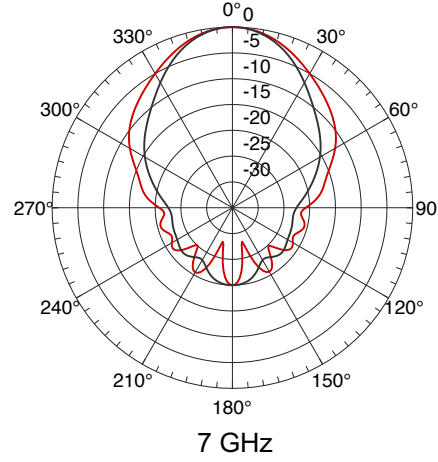
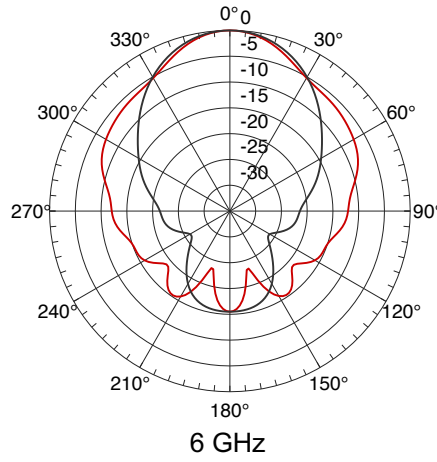
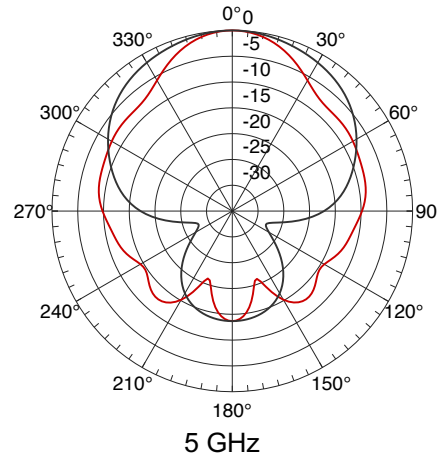
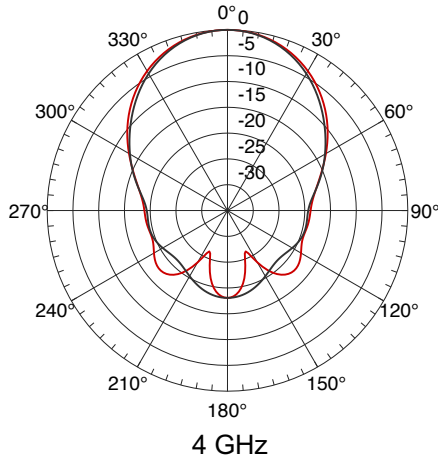
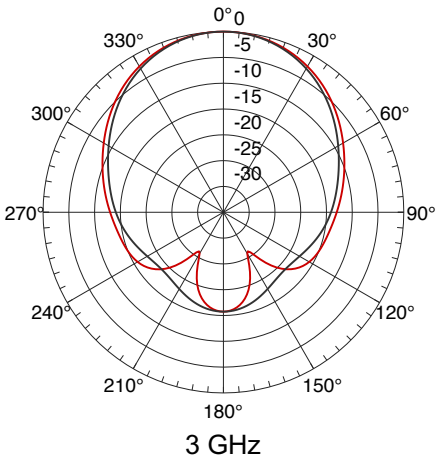
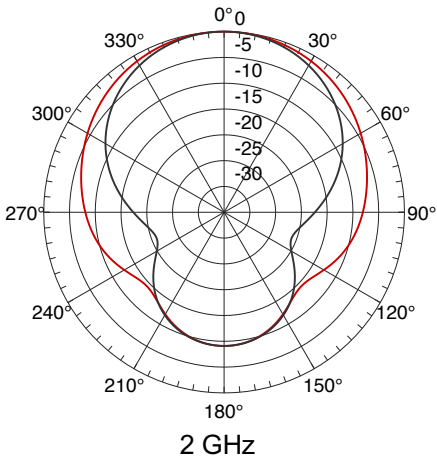
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PERFORMANCE DATA (CONT.)

— E-Plane — H-Plane

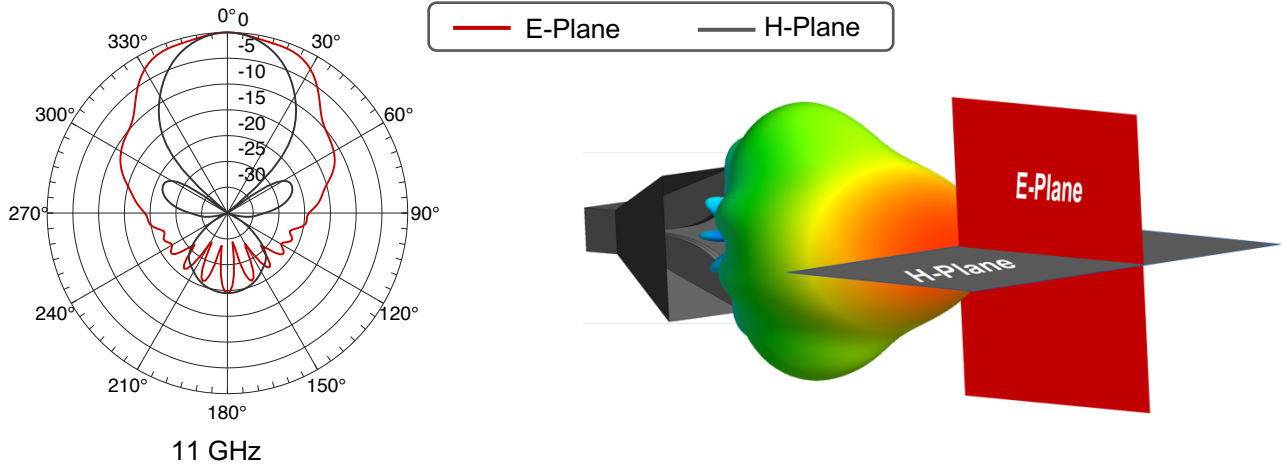


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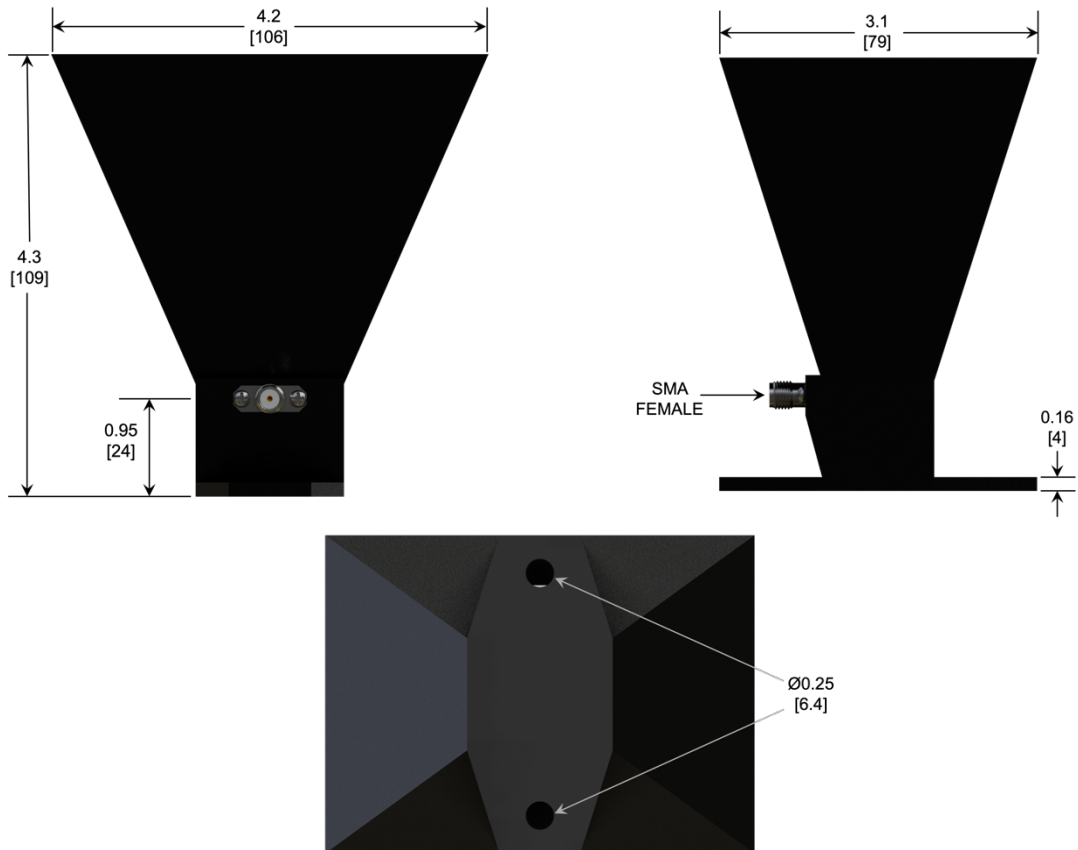
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PERFORMANCE DATA (CONT.)



CAD DRAWING



NOTES

1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL
2. DIMENSIONS ARE IN INCHES [mm]
3. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME