

BROADBAND DUAL-RIDGE HORN ANTENNA

800 MHz TO 12.8 GHz

DRHA800

KEY FEATURES

- Very wide bandwidth from 800 MHz to 12.8 GHz with directional radiation patterns
- VSWR typically below 2.5:1 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

DESIGN SPECIFICATIONS

- Design: Dual-Ridge Horn
- Operating Frequency: 800 MHz to 12.8 GHz
- Polarization: Linear (horizontal/vertical based on orientation)
- Connector: SMA Female
- Construction: Solid Aluminum
- Mounting: #1/4-20 screw hole (see diagram on page 5)
- Length: 4.4 in [112 mm]
- Width: 5.1 in [130 mm]
- Height: 5.8 in [147 mm]
- Weight: 20.5 oz [580 g]



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PERFORMANCE SPECIFICATIONS

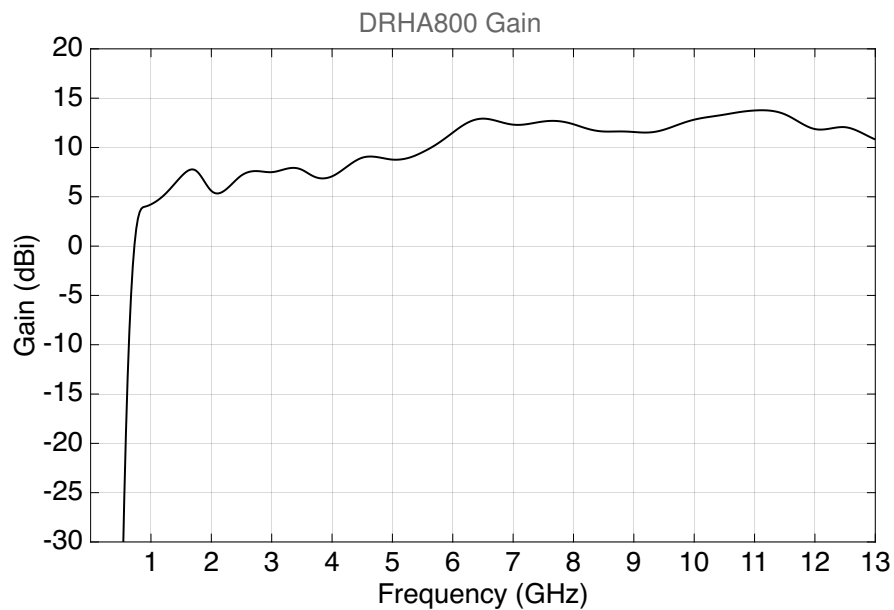
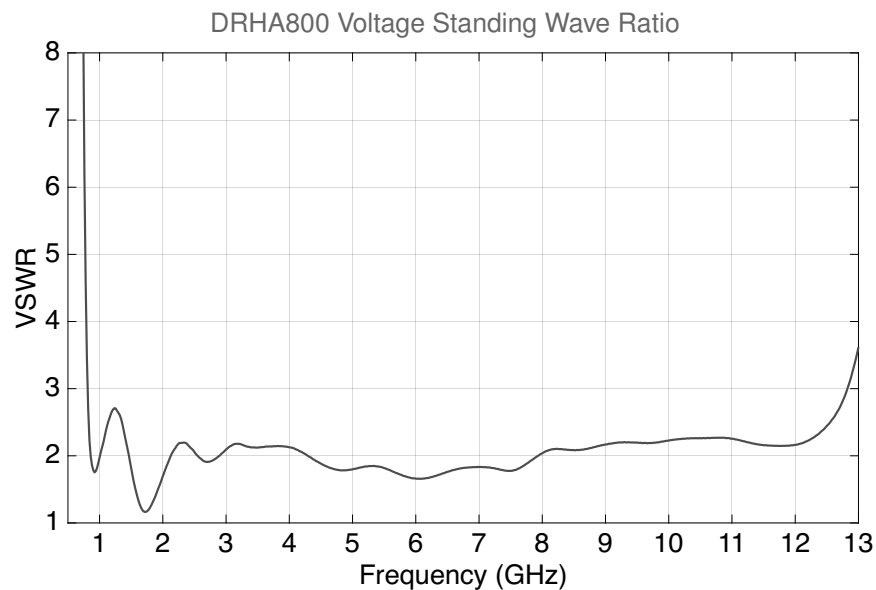
Parameter		Frequency	Min.	Typ.	Max.	Unit
VSWR		800 MHz – 4.0 GHz	1.1	2.3	3.3	–
		4.0 GHz – 8.0 GHz	1.2	2.0	2.8	
		8.0 GHz – 12.8 GHz	1.2	2.5	3.4	
Gain		800 MHz – 4.0 GHz	1.5	6.0	9.0	dBi
		4.0 GHz – 9.0 GHz	5.5	11.5	14.0	
		9.0 GHz – 12.8 GHz	10.0	12.5	15.0	
HPBW	E-Plane	800 MHz – 12.8 GHz	30	60	105	deg.
	H-Plane		20	45	160	
Input Power		800 MHz – 12.8 GHz	–	–	10	W
Impedance		–	50			Ω
Connector		–	SMA (female)			–

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TYPICAL PERFORMANCE

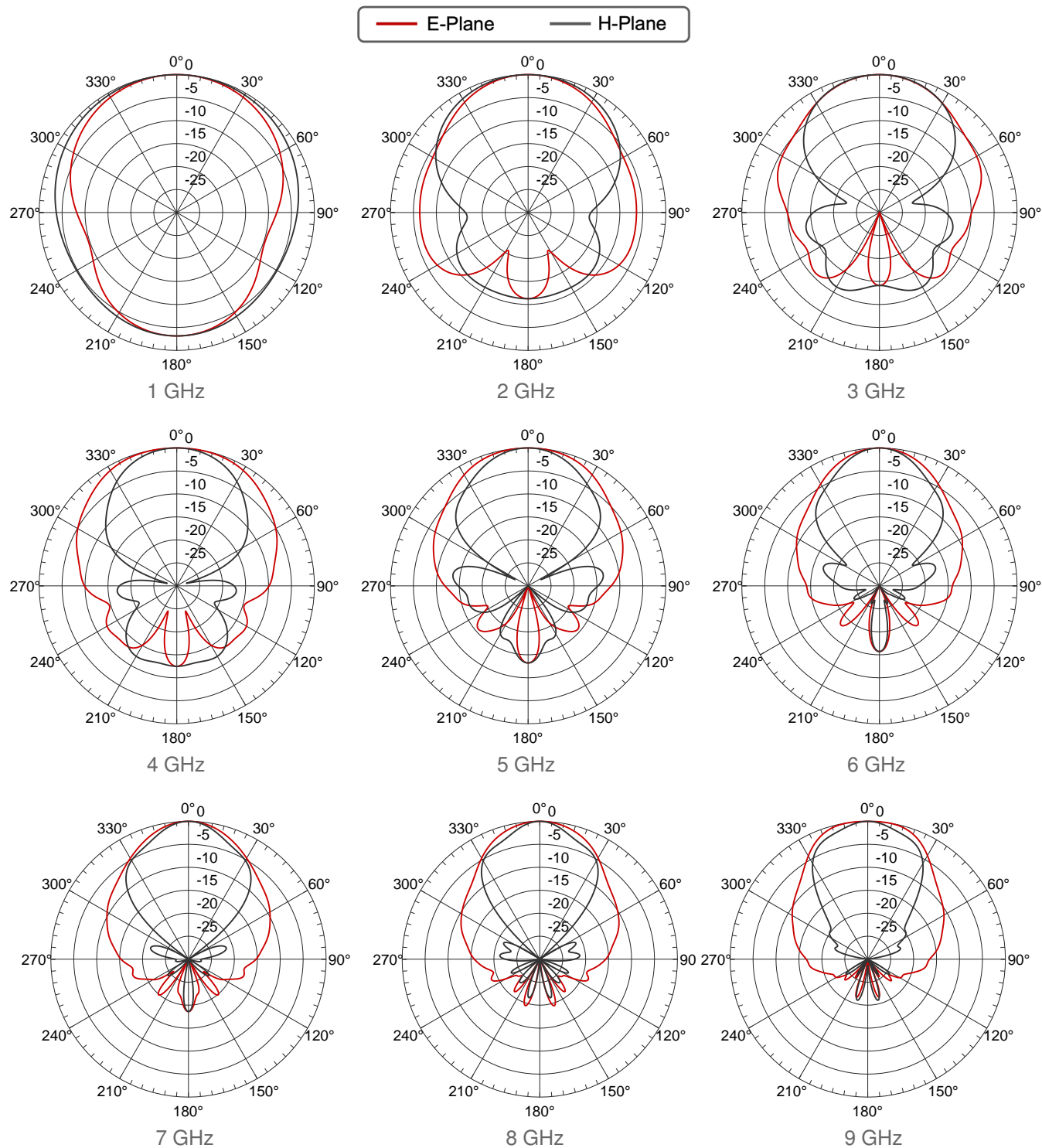


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TYPICAL PERFORMANCE (CONT.)

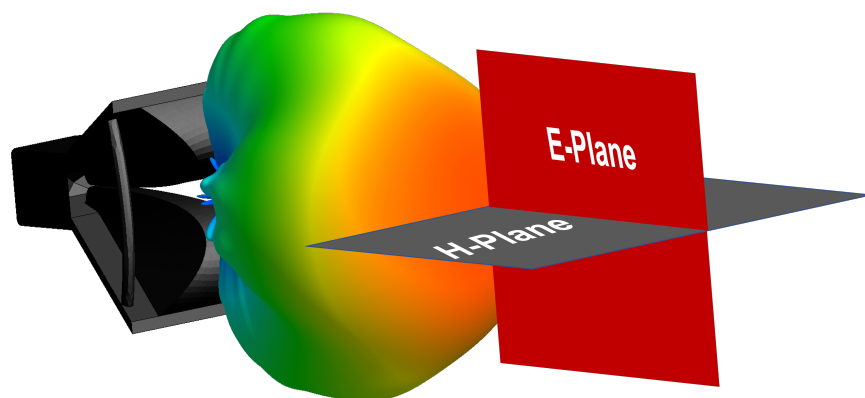
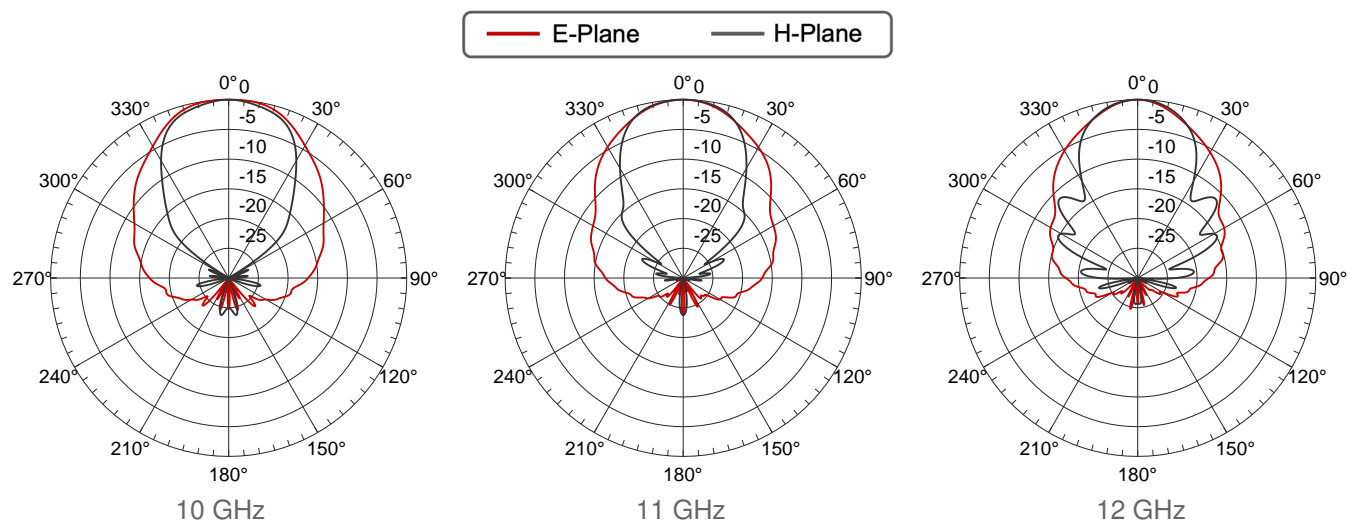


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TYPICAL PERFORMANCE (CONT.)

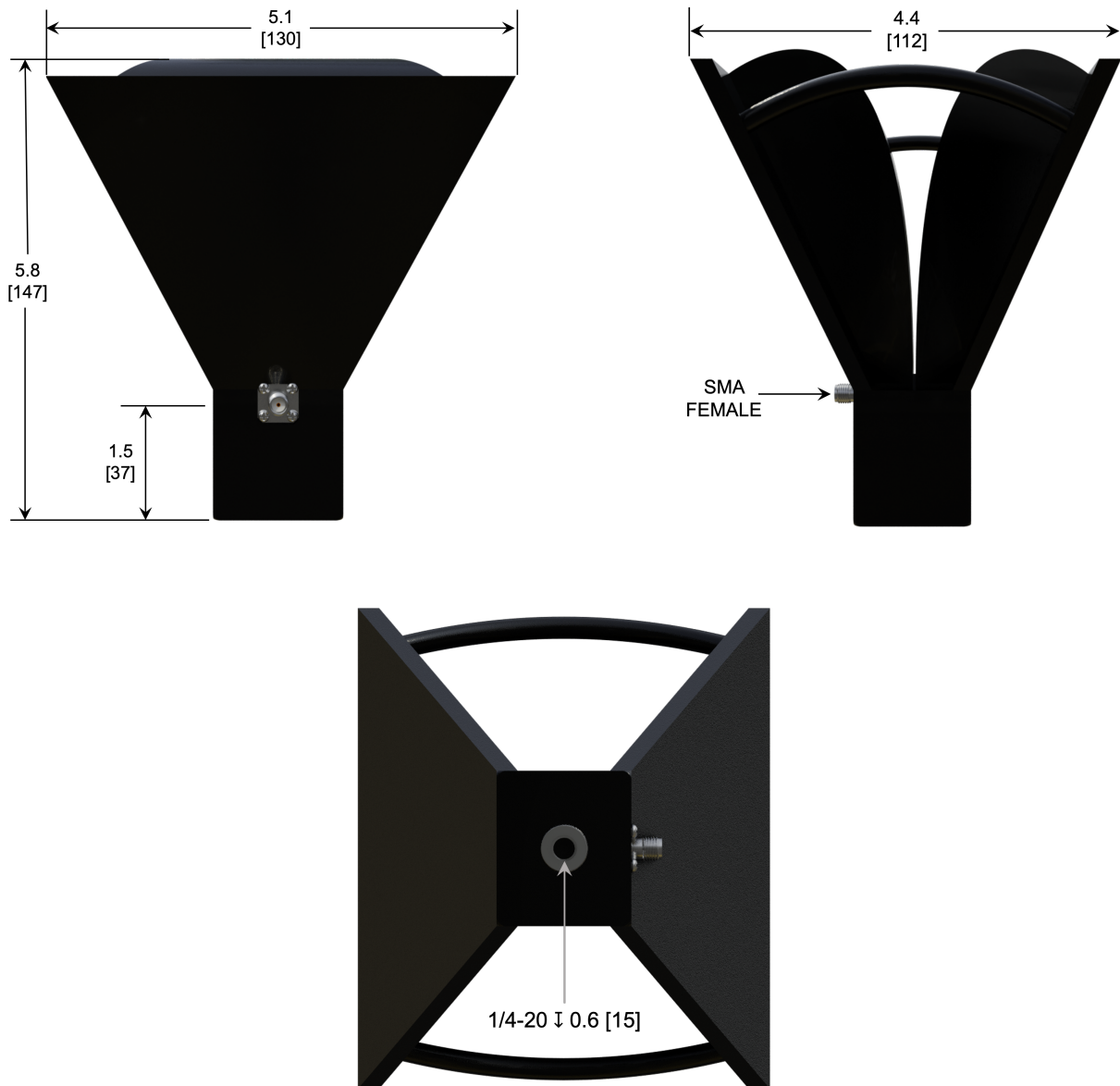


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CAD DRAWING



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