

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

DESIGN 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]



DRHA1800

PERFORMANCE SPECIFICATIONS

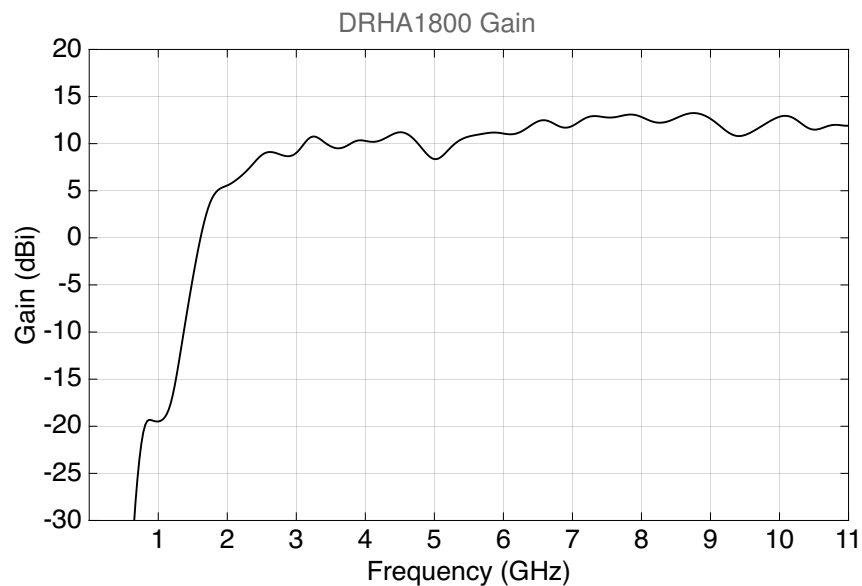
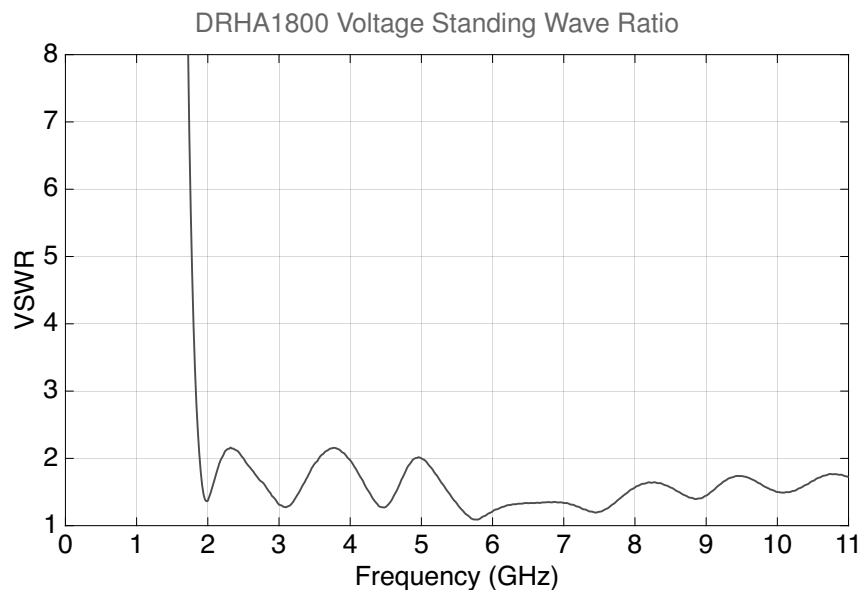
Parameter		Frequency	Min.	Typ.	Max.	Unit
VSWR		1.8 GHz – 2.7 GHz	1.1	1.8	3.2	–
		2.7 GHz – 7.0 GHz	1.1	1.8	3.0	
		7.0 GHz – 11.0 GHz	1.1	1.7	3.0	
Gain		1.8 GHz – 2.7 GHz	5.0	7.0	9.0	dBi
		2.7 GHz – 7.0 GHz	6.5	10.0	13.0	
		7.0 GHz – 11.0 GHz	11.0	12.0	13.5	
HPBW	E-Plane	1.8 GHz – 11.0 GHz	30	50	105	deg.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

BROADBAND DUAL-RIDGE HORN ANTENNA

1.8 GHz to 11.0 GHz

DRHA1800

TYPICAL PERFORMANCE

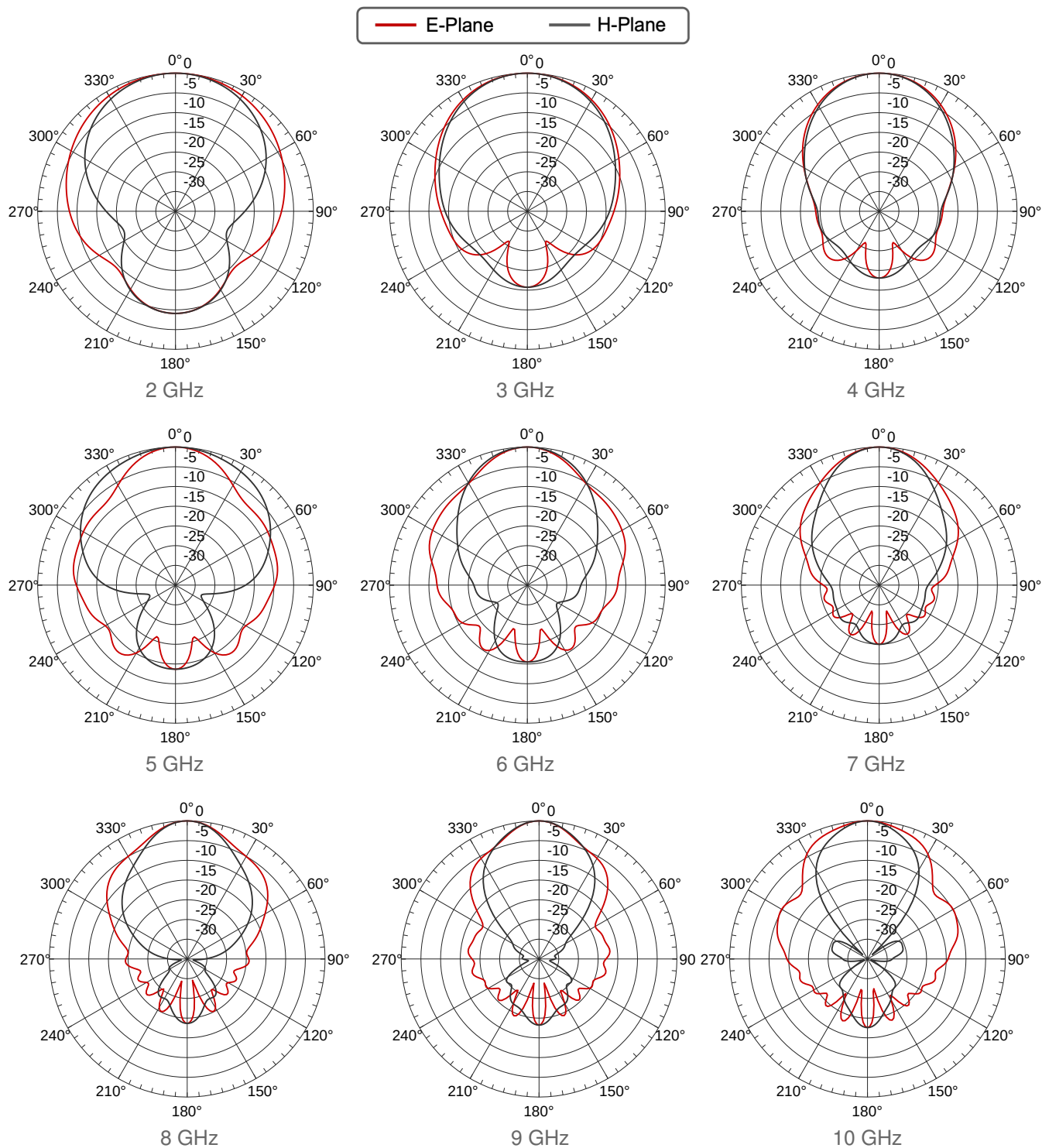


BROADBAND DUAL-RIDGE HORN ANTENNA

1.8 GHz to 11.0 GHz

DRHA1800

TYPICAL PERFORMANCE (CONT.)

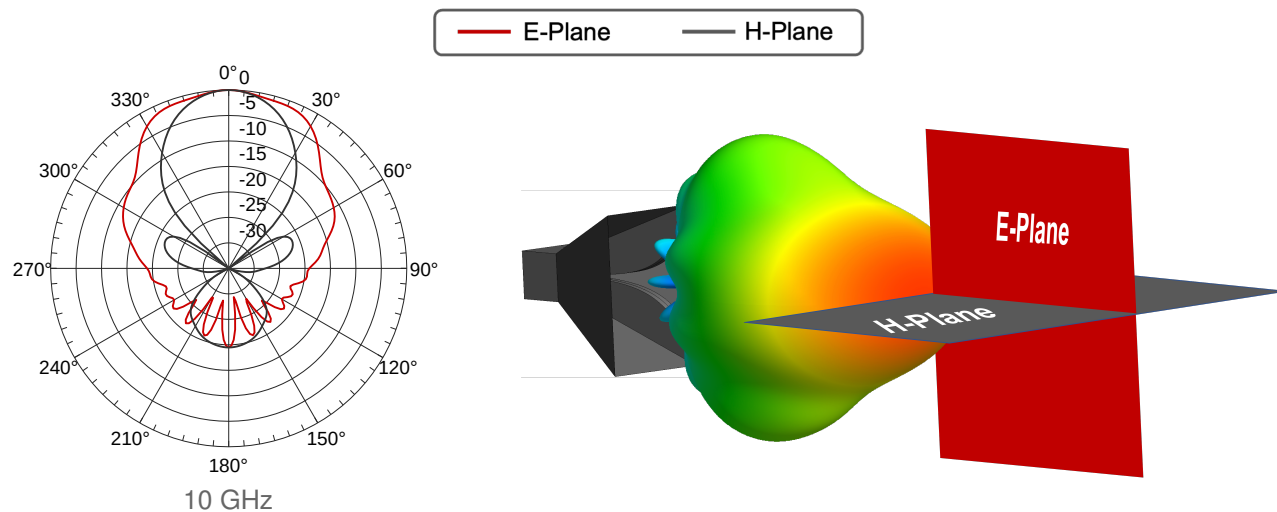


BROADBAND DUAL-RIDGE HORN ANTENNA

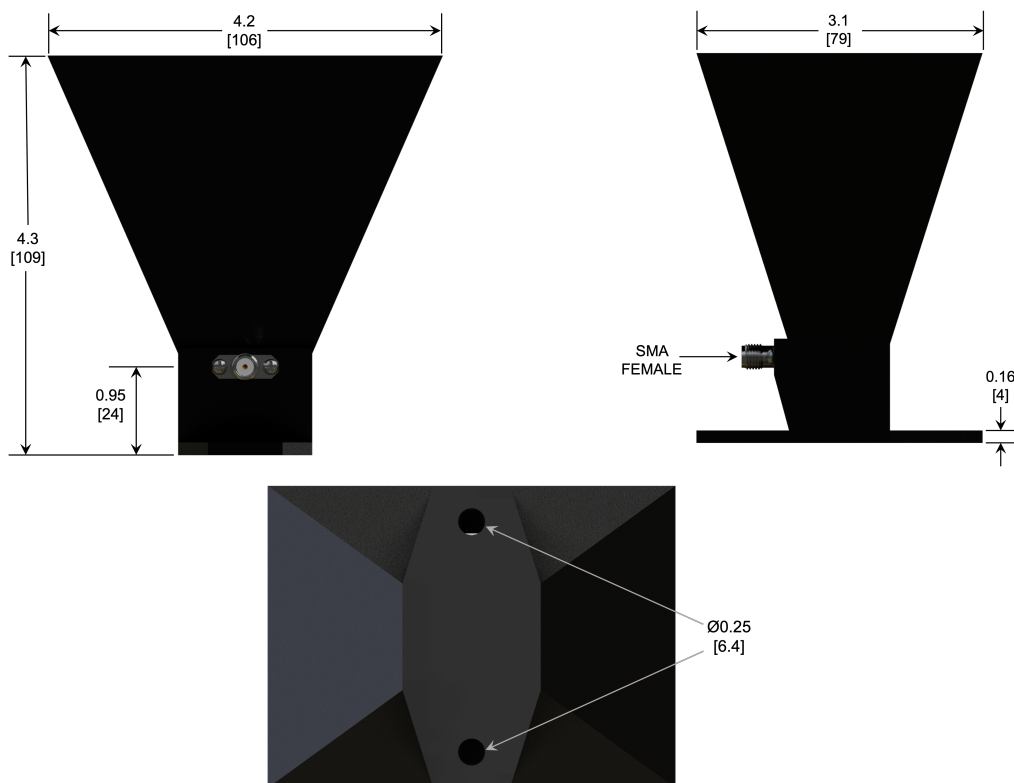
1.8 GHz to 11.0 GHz

DRHA1800

TYPICAL PERFORMANCE (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