

**WR-90 Standard Gain Horn With N Female Input  
 and 20 dB Typical Gain Operating Within 8.2 GHz to  
 12.4 GHz Frequency Range**

**Configuration**

Design	WR-90 Standard Gain Horn
Pattern	Directional
Polarization	Linear
Coaxial Interface	N Female



**Electrical Specifications**

Description	Min	Typ	Max	Units
Frequency Range	8.2		12.4	GHz
Impedance		50		Ohms
<b>Waveguide Standard Gain Horn</b>				
Gain		20		dB
Horizontal 3dB Beam Width		16.5		Degrees
Vertical 3dB Beam Width		16.1		Degrees
<b>Waveguide to Coaxial Adapter</b>				
Input VSWR			1.25:1	

**Mechanical Specifications**

**Size**

Length	11.06 in 280.92 mm
Width/Diameter	4.87 in 123.7 mm
Height	3.62 in 91.95 mm

**RF Connector**

Type	N Female
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**Waveguide Interface**

Waveguide Size	WR-90
Body Material and Plating	Aluminum

**Environmental Specifications**

**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

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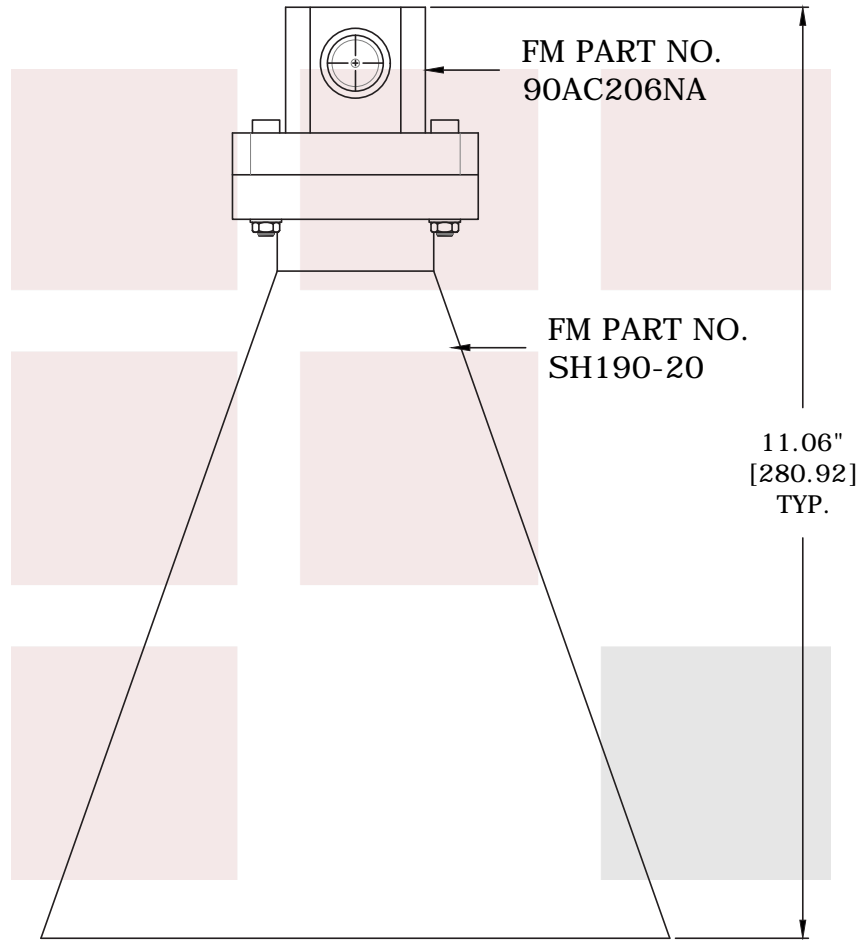
WR-90 Standard Gain Horn With N Female Input and 20 dB Typical Gain Operating Within 8.2 GHz to 12.4 GHz Frequency Range from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-90 Standard Gain Horn With N Female Input and 20 dB Typical Gain Operating Within 8.2 GHz to 12.4 GHz Frequency Range SMH190NR-20](#)

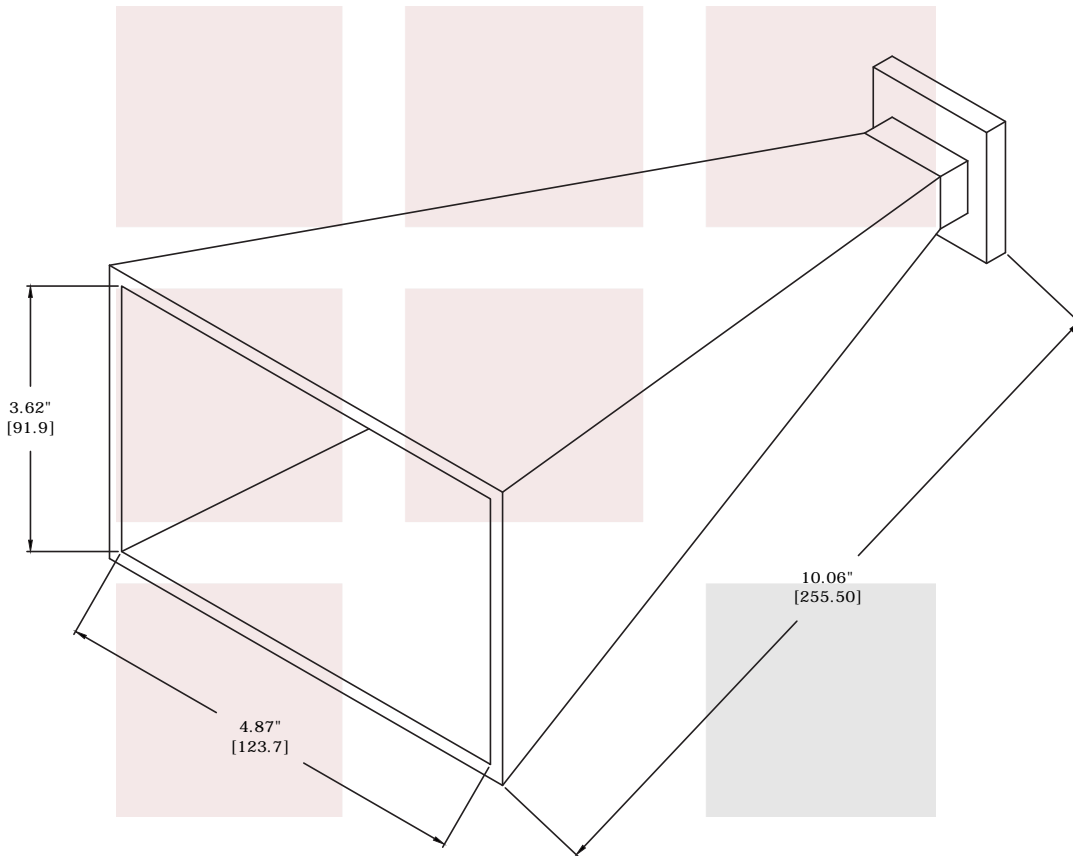
URL: <https://www.fairviewmicrowave.com/wr-90-standard-gain-horn-20-db-n-smh190nr-20-p.aspx>

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TITLE WR-90 Standard Gain Horn With N Female Input and 20 dB Typical Gain Operating Within 8.2 GHz to 12.4 GHz Frequency Range		DWG NO <b>SMH190NR-20</b>		CAGE CODE <b>3FKR5</b>	
		CAD FILE 040416	SHEET	SCALE N/A	SIZE A



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CAD FILE	040416	SHEET	SCALE	N/A	SIZE A 5568