

**WR-90 Standard Gain Horn With SMA 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	SMA Female

Electrical Specifications

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

Mechanical Specifications

Size

Length	11.08 in 281.43 mm
Width/Diameter	4.87 in 123.7 mm
Height	3.62 in 91.95 mm

RF Connector

Type	SMA 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:



Fairview Microwave
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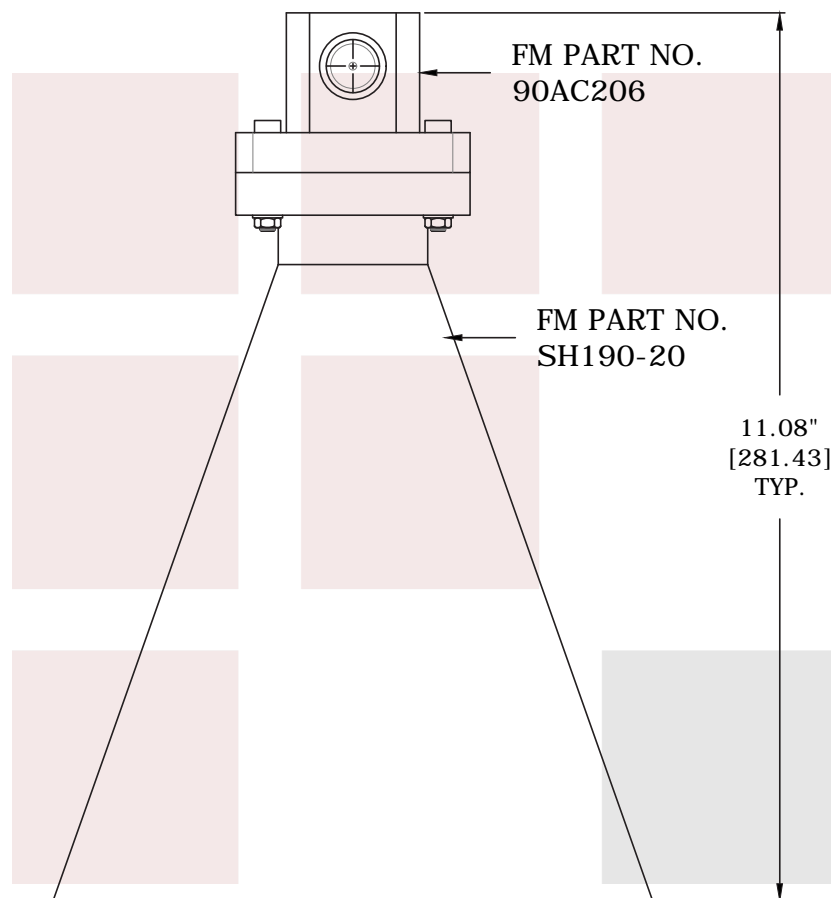
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For additional information on this product, please click the following link: [WR-90 Standard Gain Horn With SMA Female Input and 20 dB Typical Gain Operating Within 8.2 GHz to 12.4 GHz Frequency Range SMH190SR-20](#)

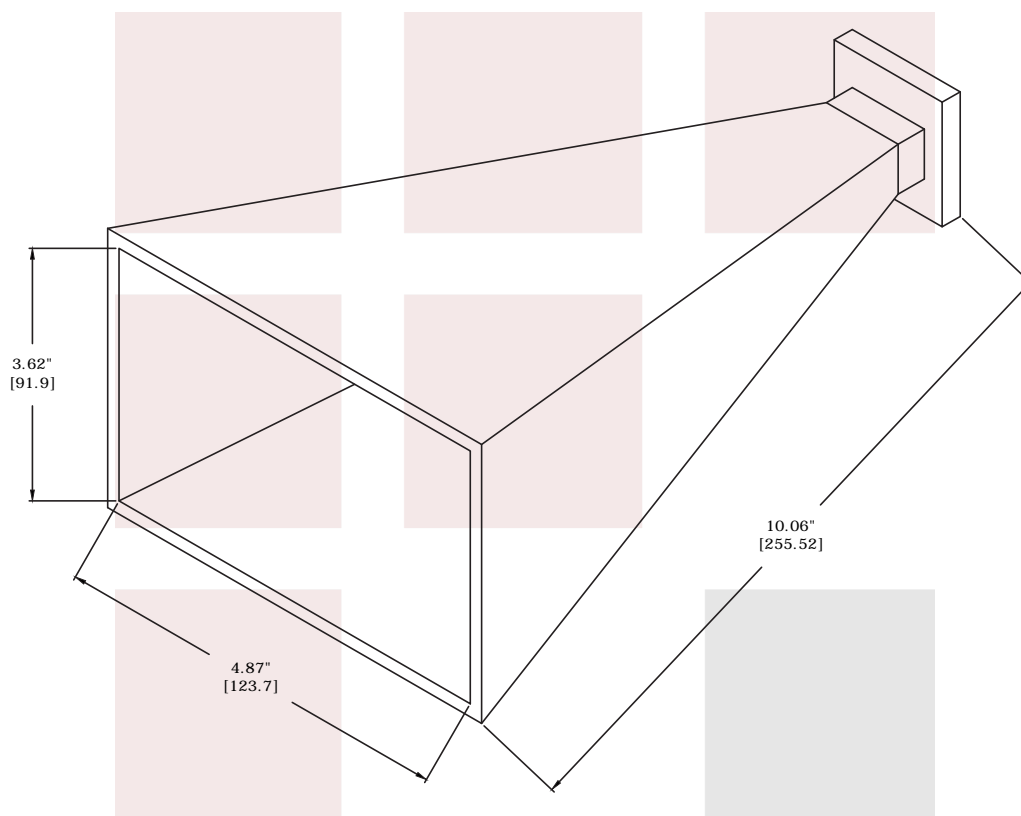
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TITLE WR-90 Standard Gain Horn With SMA Female Input and 20 dB Typical Gain Operating Within 8.2 GHz to 12.4 GHz Frequency Range	DWG NO SMH190SR-20		CAGE CODE 3FKR5		
	CAD FILE 040416	SHEET	SCALE N/A	SIZE A	5568



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