

**WR-51 Standard Gain Horn With SMA Female Input and 20 dB Typical Gain Operating Within 15 GHz to 22 GHz Frequency Range**

**Configuration**

Design	WR-51 Standard Gain Horn
Pattern	Directional
Polarization	Linear
Coaxial Interface	SMA Female

**Electrical Specifications**

Description	Min	Typ	Max	Units
Frequency Range	15		22	GHz
Impedance		50		Ohms
<b>Waveguide Standard Gain Horn</b>				
Gain		20		dB
Horizontal 3dB Beam Width		18		Degrees
Vertical 3dB Beam Width		16.9		Degrees
<b>Waveguide to Coaxial Adapter</b>				
Input VSWR			1.25:1	

**Mechanical Specifications**

**Size**

Length	5.94 in 150.88 mm
Width/Diameter	2.51 in 63.75 mm
Height	1.93 in 49.02 mm

**RF Connector**

Type	SMA Female
Contact Material and Plating	Beryllium Copper, Gold
Body Material and Plating	Passivated Stainless Steel

**Waveguide Interface**

Waveguide Size	WR-51
Body Material and Plating	Aluminum

**Environmental Specifications**

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

**Plotted and Other Data**

Notes:



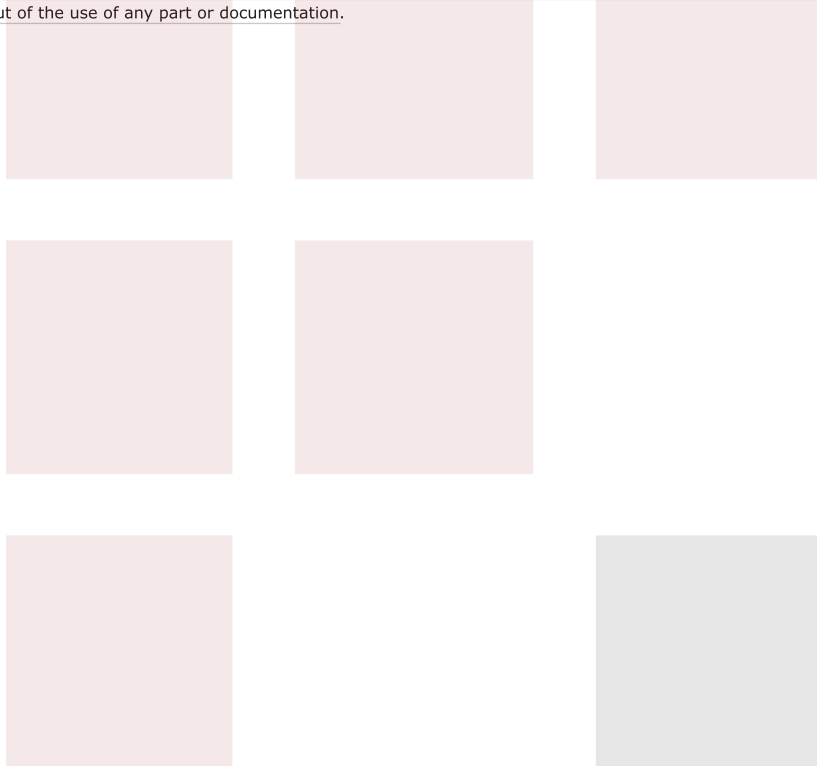
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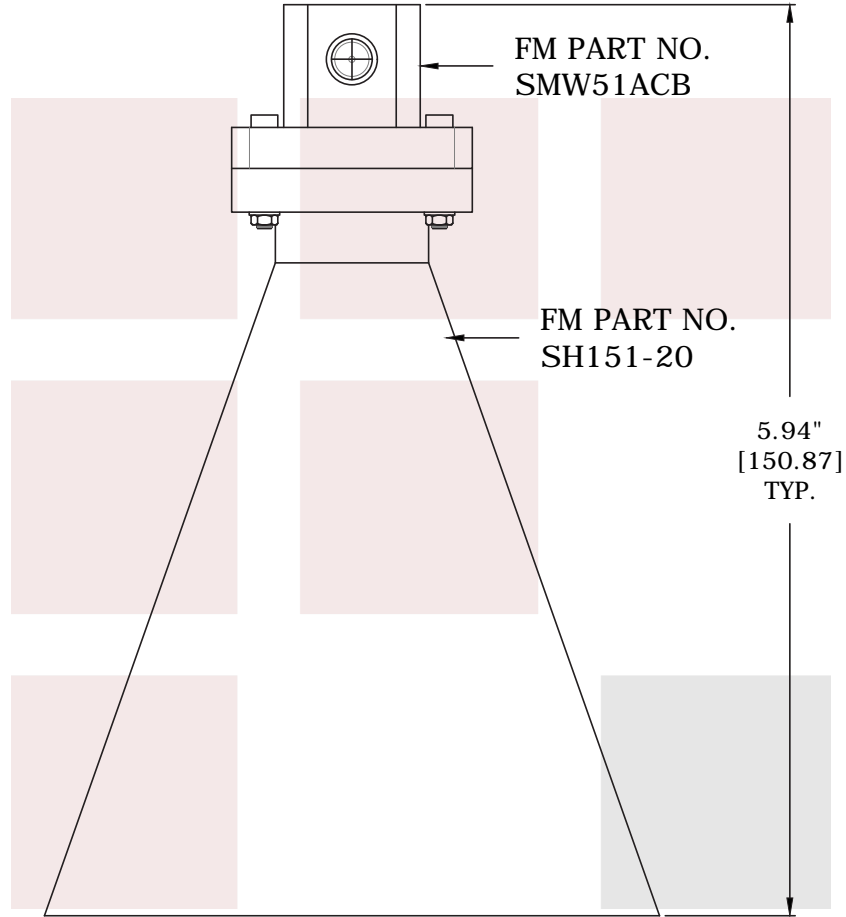
WR-51 Standard Gain Horn With SMA Female Input and 20 dB Typical Gain Operating Within 15 GHz to 22 GHz Frequency Range from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-51 Standard Gain Horn With SMA Female Input and 20 dB Typical Gain Operating Within 15 GHz to 22 GHz Frequency Range SMH151SR-20B](#)

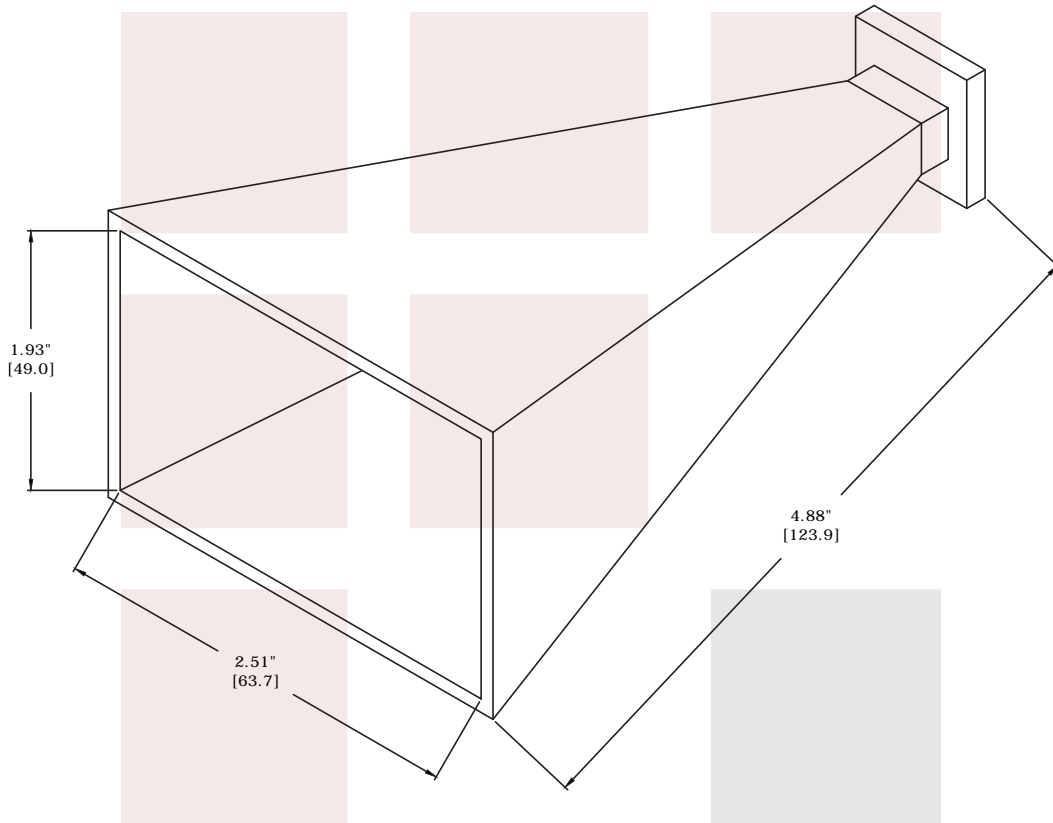
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TITLE WR-51 Standard Gain Horn With SMA Female Input and 20 dB Typical Gain Operating Within 15 GHz to 22 GHz Frequency Range		DWG NO <b>SMH151SR-20B</b>		CAGE CODE <b>3FKR5</b>	
CAD FILE	040416	SHEET	SCALE	N/A	SIZE A 5568



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