

**Description**

Mi-Wave's 263 Series wide angle scalar feed horn also called a choke horn has been designed to be used in applications where wide beam width is required such as low F/D ratios of .5 and .4 in parabolic reflectors and offset feed applications.

**Notes**

Data Sheet Variables: XX in Product Name = Center Frequency(Defined by End-User); ".XXX" in Product Name correlates with Internal Diameter defined in Physical Specifications below.

S/N: NA

**Electrical Specifications**

	<b>Minimal</b>	<b>Typical</b>	<b>Maximum</b>
Center Frequency		XX GHz	
Gain		10 dBi	
Polarization		Linear & Circular	
3 dB Beamwidth, E-Plane		55°	
3 dB Beamwidth, H-Plane		56°	
Side Lobes, E-Plane		25 dBc	
Side Lobes, H-Plane		25 dBc	
Bandwidth		1.5:1	
		50%	

**Physical Specifications**

Antenna Port Option 1	.219" ID Circular Waveguide (40-43 GHz)
Antenna Port Option 2	.188" ID Circular Waveguide (43-50 GHz)
Antenna Port Option 3	.165" ID Circular Waveguide (50-58 GHz)
Antenna Port Option 4	.141" ID Circular Waveguide (58-60 GHz)
Antenna Port Option 5	WR-19 Waveguide
Flange Type	UG-383/U-M
Material	Brass/Aluminum
Finish	Gold Plated

Tested by: KM

Date: 2020-12-21

