



**Table 10-2: Circular Waveguide Parameters**  
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Related Rectangular Waveguide Band	Circular Waveguide Size	Dominant Mode Frequency Range (GHz)	Inside Circular Waveguide Dimension (inches/mm)
<b>K</b>	<b>Large</b>	17.5-20.5	0.455/11.56
	<b>Medium</b>	20.0-24.5	0.396/10.06
	<b>Small</b>	24.0-26.5	0.328/8.33
<b>WR-34</b>	<b>Large</b>	20.0-24.5	0.396/10.06
	<b>Medium</b>	24.0-26.5	0.328/8.33
	<b>Small</b>	26.5-33.0	0.315/8.00
<b>Ka</b>	<b>Large</b>	26.5-33.0	0.315/8.00
	<b>Medium</b>	33.0-38.5	0.250/6.35
	<b>Small</b>	38.5-43.0	0.219/5.56
<b>Q</b>	<b>Large</b>	33.0-38.5	0.250/6.35
	<b>Medium</b>	38.5-43.0	0.219/5.56
	<b>Small</b>	43.0-50.0	0.188/4.78
<b>U</b>	<b>Large</b>	40.0-43.0	0.210/5.33
	<b>Medium</b>	43.0-50.0	0.188/4.78
	<b>Small</b>	50.0-60.0	0.165/4.19
<b>V</b>	<b>Large</b>	50.0-60.0	0.165/4.19
	<b>Medium</b>	58.0-68.0	0.141/3.58
	<b>Small</b>	66.0-82.0	0.125/3.18
<b>E</b>	<b>Large</b>	60.0-66.0	0.136/3.45
	<b>Medium</b>	66.0-82.0	0.125/3.18
	<b>Small</b>	75.0-90.0	0.110/2.84
<b>W</b>	<b>Large</b>	75.0-90.0	0.110/2.84
	<b>Small</b>	88.0-110.0	0.094/2.39
<b>F</b>	<b>Large</b>	90.0-115.0	0.089/2.26
	<b>Small</b>	110.0-140.0	0.073/1.85
<b>D</b>	<b>Large</b>	110.0-140.0	0.073/1.85
	<b>Small</b>	140.0-160.0	0.059/1.50
<b>G</b>	<b>Large</b>	140.0-180.0	0.058/1.47
	<b>Small</b>	180.0-220.0	0.045/1.14