

CIRCULAR WAVEGUIDE SIZES

Rectangular Waveguide Band	Circular Diameter Size	Frequency ^① Range, GHz	Circular Waveguide Diameter, inches/mm
K	Large	17.5-20.5	0.455/11.56
	Medium	20.0-24.5	0.396/10.06
	Small	24.0-26.5	0.328/8.33
Ka	Large	26.5-33.0	0.315/8.00
	Medium	33.0-38.5	0.250/6.35
	Small	38.5-40.0	0.219/5.56
Q	Large	33.0-38.5	0.250/6.35
	Medium	38.5-43.0	0.219/5.56
	Small	43.0-50.0	0.188/4.78
U	Large	40.0-43.0	0.210/5.33
	Medium	43.0-50.0	0.188/4.78
	Small	50.0-60.0	0.165/4.19
V	Large	50.0-58.0	0.165/4.19
	Medium	58.0-68.0	0.141/3.58
	Small	68.0-75.0	0.125/3.18
E	Large	60.0-66.0	0.136/3.45
	Medium	66.0-82.0	0.125/3.18
	Small	82.0-90.0	0.094/2.39
W	Large	75.0-88.0	0.110/2.84
	Small	88.0-110.0	0.094/2.39
F	Large	90.0-115.0	0.089/2.26
	Small	115.0-140.0	0.073/1.85
D	Large	110.0-140.0	0.073/1.85
	Small	140.0-160.0	0.059/1.50
A	Large	140.0-180.0	0.058/1.47
	Small	180.0-220.0	0.045/1.14
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① If the required frequencies fall within two waveguide diameter sizes, the larger one should be selected.

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