

# Appendix L Table 2-1 TE<sub>01</sub> Circular Waveguides

Standard Waveguide			MIL-W-23068 Circular Waveguide			
I.D. (inches)	O.D.	Frequency (GHz)	I.D. (inches)	O.D.	Frequency (GHz)	Type
1.500 X 1.750		11.6-16.0	1.500 X 1.700		11.6-16.0	WRC530D14
1.265 X 1.375		13.2-18.9	1.281 X 1.441		13.6-18.7	WRC621D14
1.106 X 1.250		15.9-21.9	1.094 X 1.224		15.9-21.9	WRC727D14
0.951 X 1.125		18.6-25.6	0.938 X 1.068		18.6-25.6	WRC849D14
0.686 X 0.750		25.3-34.9	0.797 X 0.897		21.9-30.1	WRC997D14
0.688 X 0.888		25.3-34.9	0.688 X 0.788		25.3-34.9	WRC116C14
0.634 X 0.750		27.3-38.0	0.594 X 0.674		29.3-40.4	WRC134C14
0.545 X 0.625		32.0-44.0	_____		_____	N/A
0.495 X 0.625		34.8-48.0	0.500 X 0.580		34.8-48.0	WRC159C14
_____		_____	04.38 X 0.518		39.8-54.8	WRC182C14
0.370 X 0.500		46.4-63.9	0.375 X 0.435		46.4-63.9	WRC212C14
0.353 X 0.438		50.0-68.0	0.328 X 0.388		53.1-73.1	WRC243C14
0.291 X 0.375		62.0-84.0	0.281 X .0341		61.9-85.2	WRC283C14
0.249 X 0.313		69.7-95.9	0.250 X 0.290		69.7-95.9	WRC318C14
0.201 X 0.290		86.0-115.0	0.219 X 0.259		79.6-110.0	WRC364C14
0.186 X 0.250		93.0-128.0	0.188 X 0.228		92.9-128.0	WRC424C14
_____		_____	0.172 X 0.212		101.0-139.0	WRC463C14
_____		_____	0.141 X 0.181		124.0-171.0	WRC566C14