



KEYEE MICROWAVE TECHNOLOGY CO., LTD.

Waveguide size and tube info

RCSC (WG)	MIL (WR)	IEC(R)	US (RG-)	Frequencies (GHz)	Cutoff frequencies (GHz)	Internal dimensions	Aperture tolerance	Corner radius	External dimensions
WG 00	WR 2300	R 3		0.32 - 0.49	0.25658 (TE10) 0.51317 (TE20)	584.2 x 292.1 mm 23 x 11.5 inch	0.508 mm (0.0200 in)	3.175 mm (0.125 in)	590.55 x 298.45 mm 23.25 x 11.75 inch
WG 0	WR 2100	R 4		0.35 - 0.53	0.28102 (TE10) 0.56204 (TE20)	533.4 x 266.7 mm 21 x 10.5 inch	0.508 mm (0.0200 in)	3.175 mm (0.125 in)	539.75 x 273.05 mm 21.25 x 10.75 inch
WG 1	WR 1800	R 5	RG-201/U	0.425 - 0.62	0.32786 (TE10) 0.65571 (TE20)	457.2 x 228.6 mm 18 x 9 inch	0.508 mm (0.0200 in)	3.175 mm (0.125 in) 1.5 mm (0.0591 in)	463.55 x 234.95 mm 18.25 x 9.25 inch
WG 2	WR 1500	R 6	RG-202/U	0.49 - 0.75	0.39343 (TE10) 0.78686 (TE20)	381 x 190.5 mm 15 x 7.5 inch	0.381 mm (0.0150 in)	2.37998 mm (0.0937 in) 1.5 mm (0.0591 in)	387.35 x 196.85 mm 15.25 x 7.75 inch
WG 3	WR 1150	R 8	RG-203/U	0.64 - 0.98	0.51317 (TE10) 1.0263 (TE20)	292.1 x 146.05 mm 11.5 x 5.75 inch	0.381 mm (0.0150 in)	2.37998 mm (0.0937 in) 1.5 mm (0.0591 in)	298.45 x 152.4 mm 11.75 x 6 inch
WG 4	WR 975	R 9	RG-204/U	0.75 - 1.15	0.60527 (TE10)	247.65x123.825mm	0.254 mm	1.3 mm	254 x 130.175 mm



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					1.2105 (TE20)	9.75 x 4.875 inch	(0.0100 in)	(0.0512 in)	10 x 5.125 inch
WG 5	WR 770	R 12	RG-205/U	0.96 - 1.46	0.76642 (TE10) 1.5328 (TE20)	195.58 x 97.79 mm 7.7 x 3.85 inch	0.254 mm (0.0100 in)	1.3 mm (0.0512 in)	201.93 x 104.14 mm 7.95 x 4.1 inch
WG 6	WR 650	R 14	RG-69/U	1.12 - 1.7 3	0.90791 (TE10) 1.8158 (TE20)	165.1 x 82.55 mm 6.5 x 3.25 inch	0.2 mm (0.00787 in)	1.3 mm (0.0512 in)	169.164 x 86.614 mm 6.66 x 3.41 inch
WG 7	WR 510	R 18		1.45 - 2.2	1.1571 (TE10) 2.3143 (TE20)	129.54 x 64.77 mm 5.1 x 2.55 inch	0.18 mm (0.00709 in)	1.3 mm (0.0512 in)	133.604 x 68.834 mm 5.26 x 2.71 inch
WG 8	WR 430	R 22	RG-104/U	1.7 - 2.61	1.3724 (TE10) 2.7448 (TE20)	109.22 x 54.61 mm 4.3 x 2.15 inch	0.14 mm (0.00551 in)	1.3 mm (0.0512 in)	113.284 x 58.674 mm 4.46 x 2.31 inch
WG 9A	WR 340	R 26	RG-112/U	2.2 - 3.3K	1.7357 (TE10) 3.4714 (TE20)	86.36 x 43.18 mm 3.4 x 1.7 inch	0.11 mm (0.00433 in)	1.3 mm (0.0512 in)	90.424 x 47.244 mm 3.56 x 1.86 inch
WG 10	WR 284	R 32	RG-48/U	2.6 - 3.95)	2.0780 (TE10) 4.1559 (TE20)	72.136 x 34.036 mm 2.84 x 1.34 inch	0.1 mm (0.00394 in)	1.3 mm (0.0512 in)	76.2 x 38.1 mm 3 x 1.5 inch
WG 11A	WR 229	R 40		3.22 - 4.9	2.5770 (TE10) 5.1541 (TE20)	58.166 x 29.083 mm 2.29 x 1.145 inch	0.076 mm (0.00299 in)	1 mm (0.0394 in)	61.4172 x 32.3342 mm 2.418 x 1.273 inch



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WG 12	WR 187	R 48	RG-49/U	3.94 - 5.99	3.1525 (TE10) 6.3049 (TE20)	47.5488 x 22.1488 mm 1.872 x 0.872 inch	0.127 mm (0.00500 in)	0.8 mm (0.0315 in)	50.8 x 25.4 mm 2 x 1 inch
WG 13	WR 159	R 58		4.64 - 7.05	3.7116 (TE10) 7.4232 (TE20)	40.386 x 20.193 mm 1.59 x 0.795 inch	0.127 mm (0.00500 in)	0.8 mm (0.0315 in)	43.6372 x 23.4442 mm 1.718 x 0.923 inch
WG 14	WR 137	R 70	RG-50/U	5.38 - 8.2	4.3013 (TE10) 8.6027 (TE20)	34.8488 x 15.7988 mm 1.372 x 0.622 inch	0.1016 mm (0.00400 in)	0.8 mm (0.0315 in)	38.1 x 19.05 mm 1.5 x 0.75 inch
WG 15	WR 112	R 84	RG-51/U	6.58 - 10 (UK)	5.2597 (TE10) 10.519 (TE20)	28.4988 x 12.6238 mm 1.122 x 0.497 inch	0.1016 mm (0.00400 in)	0.8 mm (0.0315 in)	31.75 x 15.875 mm 1.25 x 0.625 inch
WG 16	WR 90	R 100	RG-52/U	8.2 - 12.4	6.5571 (TE10) 13.114 (TE20)	22.86 x 10.16 mm 0.9 x 0.4 inch	0.1016 mm (0.00400 in)	0.8 mm (0.0315 in)	25.4 x 12.7 mm 1 x 0.5 inch
WG 17	WR 75	R 120		9.84 - 15	7.8686 (TE10) 15.737 (TE20)	19.05 x 9.525 mm 0.75 x 0.375 inch	0.0762 mm (0.00300 in)	0.8 mm (0.0315 in)	21.59 x 12.065 mm 0.85 x 0.475 inch
WG 18	WR 62	R 140	RG-91/U	11.9 - 18	9.4878 (TE10) 18.976 (TE20)	15.7988 x 7.8994 mm	0.0635 mm (0.00250	0.4 mm (0.0157 in)	17.8308 x 9.9314 mm



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						0.622 x 0.311 inch	in)		0.702 x 0.391 inch
WG 19	WR 51	R 180		14.5 - 22	11.571 (TE10) 23.143 (TE20)	12.954 x 6.477 mm 0.51 x 0.255 inch	0.0635 mm (0.00250 in)	0.4 mm (0.0157 in)	14.986 x 8.509 mm 0.59 x 0.335 inch
WG 20	WR 42	R 220	RG-53/U	17.6 - 26.7	14.051 (TE10) 28.102 (TE20)	10.668 x 4.318 mm 0.42 x 0.17 inch	0.0508 mm (0.00200 in)	0.4 mm (0.0157 in)	12.7 x 6.35 mm 0.5 x 0.25 inch
WG 21	WR 34	R 260		21.7 - 33	17.357 (TE10) 34.714 (TE20)	8.636 x 4.318 mm 0.34 x 0.17 inch	0.0508 mm (0.00200 in)	0.4 mm (0.0157 in)	10.668 x 6.35 mm 0.42 x 0.25 inch
WG 22	WR 28	R 320	RG-96/U	26.3 - 40	21.077 (TE10) 42.153 (TE20)	7.112 x 3.556 mm 0.28 x 0.14 inch	0.0381 mm (0.00150 in)	0.4 mm (0.0157 in)	9.144 x 5.588 mm 0.36 x 0.22 inch
WG 23	WR 22	R 400	RG-97/U	33 - 50	26.346 (TE10) 52.691 (TE20)	5.6896 x 2.8448 mm 0.224 x 0.112 inch	0.0254 mm (0.00100 in)	0.4 mm (0.0157 in)	7.7216 x 4.8768 mm 0.304 x 0.192 inch
WG 24	WR 19	R 500		40 - 60	31.391 (TE10) 62.781 (TE20)	4.7752 x 2.3876 mm 0.188 x 0.094 inch	0.0254 mm (0.00100 in)	0.3 mm (0.0118 in)	6.8072 x 4.4196 mm 0.268 x 0.174 inch
WG 25	WR 15	R 620	RG-98/U	50 - 75	39.875 (TE10) 79.749 (TE20)	3.7592 x 1.8796 mm 0.148 x 0.074 inch	0.0254 mm (0.00100 in)	0.2 mm (0.00787 in)	5.7912 x 3.9116 mm 0.228 x 0.154 inch



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WG 26	WR 12	R 740	RG-99/U	60 - 90	48.372 (TE10) 96.745 (TE20)	3.0988 x 1.5494 mm 0.122 x 0.061 inch	0.0254 mm (0.00100 in) 0.02 mm (0.000787 in)	0.15 mm (0.00591 in)	5.1308 x 3.5814 mm 0.202 x 0.141 inch
WG 27	WR 10	R 900		75 - 110	59.014 (TE10) 118.03 (TE20)	2.54 x 1.27 mm 0.1 x 0.05 inch	0.0254 mm (0.00100 in)	0.15 mm (0.00591 in)	4.572 x 3.302 mm 0.18 x 0.13 inch
WG 28	WR 8	R 1200	RG-138/U	90 - 140	73.768 (TE10) 147.54 (TE20)	2.032 x 1.016 mm 0.08 x 0.04 inch	0.0127 mm (0.000500 in)	0.15 mm (0.00591 in)	3.556 x 2.54 mm 0.14 x 0.1 inch
WG 29	WR 6	R 1400	RG-136/U	110 - 170	90.791 (TE10) 181.58 (TE20)	1.651 x 0.8255 mm 0.065 x 0.0325 inch	0.0127 mm (0.000500 in)	0.15 mm (0.00591 in)	3.175 x 2.3495 mm 0.125 x 0.0925 inch
WG 30	WR 5	R 1800	RG-135/U	140 - 220	115.71 (TE10) 231.43 (TE20)	1.2954 x 0.6477 mm 0.051 x 0.0255 inch	0.0127 mm (0.000500 in)	0.0508 mm (0.00200 in)	2.8194 x 2.1717 mm 0.111 x 0.0855 inch
WG 31	WR 4	R 2200	RG-137/U	170 - 260	137.24 (TE10) 274.48 (TE20)	1.0922 x 0.5461 mm 0.043 x 0.0215 inch	0.0127 mm (0.000500 in)	0.0254 mm (0.00100 in)	2.6162 x 2.0701 mm 0.103 x 0.0815 inch



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WG 32	WR 3	R 2600	RG-139/U	217 - 330	173.57 (TE10) 347.14 (TE20)	0.8636 x 0.4318 mm 0.034 x 0.017 inch	0.0127 mm (0.000500 in)	0.0254 mm (0.00100 in)	2.3876 x 1.9558 mm 0.094 x 0.077 inch