



Standard Waveguide Size

Waveguide size		Standard frequency	Waveguide inner dimensions		Flange type	
EIA	IEC		A inch[mm]	B inch[mm]		
WR2300	R3	0.32 to 0.45 GHz	23 [584.2]	11.5 [292.1]	FDP3	FDM3
WR2100	R4	0.35 to 0.50 GHz	21 [533.4]	10.5 [266.7]	FDP4	FDM4
WR1800	R5	0.45 to 0.63 GHz	18 [457.2]	9 [228.6]	FDP5	FDM5
WR1500	R6	0.50 to 0.75 GHz	15 [381]	7.5 [190.5]	FDP6	FDM6
WR1150	R8	0.63 to 0.97 GHz	11.5 [292.1]	5.75 [146.05]	FDP8	FDM8
WR975	R9	0.75 to 1.15 GHz	9.75 [247.65]	4.875 [123.825]	FDP9	FDM9
WR770	R12	0.97 to 1.45 GHz	7.7 [195.58]	3.85 [97.79]	FDP12	FDM12
WR650	R14	1.15 to 1.72 GHz	6.5 [165.1]	3.25 [82.55]	FDP14	FDM14
WR510	R18	1.45 to 2.20 GHz	5.1 [129.54]	2.55 [64.77]	FDP18	FDM18
WR430	R22	1.72 to 2.60 GHz	4.3 [109.22]	2.15 [54.61]	FDP22	FDM22
WR340	R26	2.20 to 3.30 GHz	3.4 [86.36]	1.7 [43.18]	FDP26	FDM26
WR284	R32	2.60 to 3.95 GHz	2.84 [72.136]	1.34 [34.036]	FDP/FAP32	FDM/FAM32
WR229	R40	3.30 to 4.90 GHz	2.29 [58.166]	1.145 [29.083]	FDP/FAP40	FDM/FAM40
WR187	R48	3.95 to 5.85 GHz	1.872 [47.5488]	0.872 [22.1488]	FDP/FAP48	FDM/FAM48
WR159	R58	4.90 to 7.05 GHz	1.59 [40.386]	0.795 [20.193]	FDP/FAP58	FDM/FAM58
WR137	R70	5.85 to 8.20 GHz	1.372 [34.8488]	0.622 [15.7988]	FDP/FAP70	FDM/FAM70
WR112	R84	7.05 to 10 GHz	1.122 [28.4988]	0.497 [12.6238]	FDP/FBP84	FDM/FBM84



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WR90	R100	8.20 to 12.40 GHz	0.9 [22.86]	0.4 [10.16]	FDP/FBP100	FDM/FBM100
WR75	R120	10.00 to 15 GHz	0.75 [19.05]	0.375 [9.525]	FDP/FBP120	FDM/FBM120
WR62	R140	12.40 to 18 GHz	0.622 [15.7988]	0.311 [7.8994]	FDP/FBP140	FDM/FBM140
WR51	R180	15.00 to 22 GHz	0.51 [12.954]	0.255 [6.477]	FDP/FBP180	FDM/FBM180
WR42	R220	18.00 to 26.50 GHz	0.42 [10.668]	0.17 [4.318]	FBP220	FBM220
WR34	R260	22.00 to 33 GHz	0.34 [8.636]	0.17 [4.318]	FBP260	FBM260
WR28	R320	26.50 to 40 GHz	0.28 [7.112]	0.14 [3.556]	FBP320	FBM320
WR22	R400	33.00 to 50 GHz	0.224 [5.6896]	0.112 [2.8448]	FUGP/FAP400	FUGP/FAM400
WR19	R500	40.00 to 60 GHz	0.188 [4.7752]	0.094 [2.3876]	FUGP/FAP500	FUGP/FAM500
WR15	R620	50.00 to 75 GHz	0.148 [3.7592]	0.074 [1.8796]	FUGP/FAP620	FUGP/FAM620
WR12	R740	60 to 90 GHz	0.122 [3.0988]	0.061 [1.5494]	FUGP/FAP740	FUGP/FAM740
WR10	R900	75 to 110 GHz	0.1 [2.54]	0.05 [1.27]	FUGP/FAP900	FUGP/FAM900
WR8	R1200	90 to 140 GHz	0.08 [2.032]	0.04 [1.016]	FUGP/FAP1200	FUGP/FAM1200
WR6	R1400	110 to 170 GHz	0.065 [1.651]	0.0325 [0.8255]	FUGP/FAP1400	FUGP/FAM1400
WR7	R1400	110 to 170 GHz	0.065 [1.651]	0.0325 [0.8255]	FUGP/FAP1400	FUGP/FAM1400
WR5	R1800	140 to 220 GHz	0.051 [1.2954]	0.0255 [0.6477]	FUGP/FAP1800	FUGP/FAM1800
WR4	R2200	172 to 260 GHz	0.043 [1.0922]	0.0215 [0.5461]	FUGP/FAP2200	FUGP/FAM2200
WR3	R2600	220 to 330 GHz	0.034 [0.8636]	0.017 [0.4318]	FUGP/FAP2600	FUGP/FAM2600



KEYEE MICROWAVE TECHNOLOGY CO., LTD.

Double Ridged Waveguide Sizes

Waveguide Size		Outside Dimension(Inch)	Wall Thickness (nominal)	Frequency range (GHz)	Power handling		Attenuation (dB/ft)	Flange type	
					CW(KW)	Peak(KW)		IEC	EIA
WRD200	D24	2.750*1.365	0.37	2.0-4.8				30JS2500	WRD250D30
WRD250	D30	2.0*1.0	0.143/0.173	2.60 - 7.80	16	85	0.0025	24JS2000	WRD200D24
WRD350	D24	1.608*0.816	0.064	3.50 - 8.20	12	121	0.031	24JS3500	WRD350D24
WRD475	D24	1.190*0.606	0.050	4.75 - 11.0	6.0	68	0.048	24JS4750	WRD475D24
WRD500	D36	0.852*0.423	0.050	5.0 - 18.0	2.2	13.59	0.192	36JS5000	WRD500D36
WRD580	D28	0.88*0.47	0.050	5.80 - 16.0	3.5	29	0.100	28JS5800	WRD580D28
WRD650	D28	0.821*0.421	0.050	6.50 - 18.0	2.6	21	0.106	28JS6500	WRD650D28
WRD750	D24	0.791*0.421	0.050	7.50 - 18.0	3.1	24	0.096	24JS7500	WRD750D24
WRD110	C24	0.551*0.299	0.040	11.0 - 26.5	1.0	12	0.171	24JS11000	WRD110C24
WRD180	C24	0.368*0.214	0.040	18.0 - 40.0	.5	4	0.358	24JS18000	WRD180C24