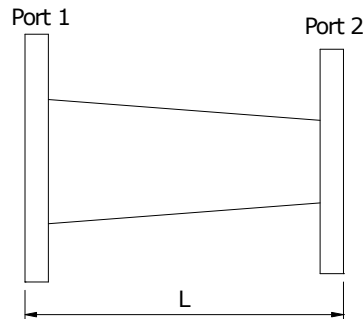
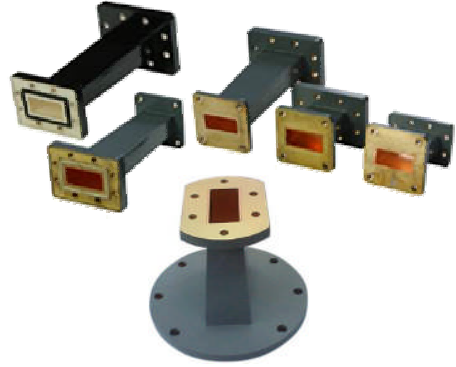




4 Waveguide Transition

HengDa Microwave manufactures a wide variety of waveguide transitions ranging from standard rectangular waveguide transitions in overlapping bands to custom transitions spanning multiple bands. Additional sizes, extended range, and custom design configurations are available on request.



4.1 Rectangular to Rectangular Transitions in Overlapping Bands

【 Specifications 】

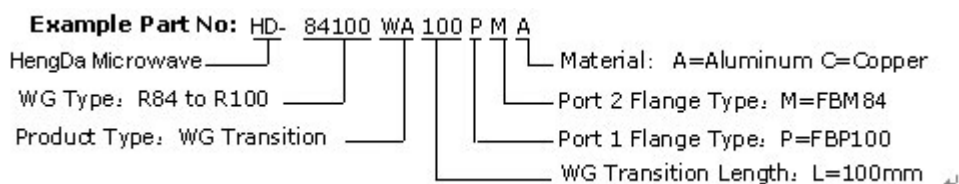
Model No*	Freq Range (GHz)	VSWR (Max)	Length (mm)	Port1 WG Type		Port2 WG Type		Flange	Material
				IEC	EIA	IEC	EIA		
HD-34WA...	0.35-0.49	1.10	1000	R3	WR2300	R4	WR2100	FDP/FDM	Al
HD-45WA...	0.41-0.53	1.10	1000	R4	WR2100	R5	WR1800	FDP/FDM	Al
HD-56WA...	0.49-0.62	1.10	900	R5	WR1800	R6	WR1500	FDP/FDM	Al
HD-68WA...	0.64-0.75	1.10	800	R6	WR1500	R8	WR1150	FDP/FDM	Al
HD-89WA...	0.75-0.98	1.10	600	R8	WR1150	R9	WR975	FDP/FDM	Al
HD-912WA...	0.96-1.15	1.10	500	R9	WR975	R12	WR770	FDP/FDM	Al
HD-1214WA...	1.13-1.46	1.10	400	R12	WR770	R14	WR650	FDP/FDM	Al
HD-1418WA...	1.45-1.73	1.10	350	R14	WR650	R18	WR510	FDP/FDM	Al
HD-1822WA...	1.72-2.20	1.10	300	R18	WR510	R22	WR430	FDP/FDM	Al/Cu



HD-2226WA...	2.17-2.61	1.10	250	R22	WR430	R26	WR340	FDP/FDM	Al/Cu
HD-2632WA...	2.60-3.30	1.10	200	R26	WR340	R32	WR284	FDP/FDM	Al/Cu
HD-3240WA...	3.22-3.95	1.10	200	R32	WR284	R40	WR229	FDP/FDM	Al/Cu
HD-4048WA...	3.94-4.90	1.10	180	R40	WR229	R48	WR187	FDP/FDM	Al/Cu
HD-4858WA...	4.64-5.99	1.10	180	R48	WR187	R58	WR159	FDP/FDM	Al/Cu
HD-5870WA...	5.38-7.05	1.10	150	R58	WR159	R70	WR137	FDP/FDM	Al/Cu
HD-7084WA...	6.57-8.17	1.10	130	R70	WR137	R84	WR112	FDP/FDM	Al/Cu
HD-84100WA...	8.20-9.99	1.10	100	R84	WR112	R100	WR90	FBP/FBM/FBE	Al/Cu
HD-100120WA...	9.84-12.4	1.10	80	R100	WR90	R120	WR75	FBP/FBM/FBE	Al/Cu
HD-120140WA...	11.9-15.0	1.10	75	R120	WR75	R140	WR62	FBP/FBM/FBE	Al/Cu
HD-140180WA...	14.5-18.0	1.10	60	R140	WR62	R180	WR51	FBP/FBM/FBE	Al/Cu
HD-180220WA...	17.6-22.0	1.10	50	R180	WR51	R220	WR42	FBP/FBM/FBE	Al/Cu
HD-220260WA...	21.7-26.7	1.15	50	R220	WR42	R260	WR34	FBP/FBM/FBE	Al/Cu
HD-260320WA...	26.3-33.0	1.15	50	R260	WR34	R320	WR28	FBP/FBM/FBE	Al/Cu
HD-320400WA...	32.9-40.0	1.15	50	R320	WR28	R400	WR22	FBP/FBM/FBE	Al/Cu
HD-400500WA...	39.2-60.1	1.20	50	R400	WR22	R500	WR19	FUGP	Cu
HD-500620WA...	49.8-59.6	1.20	50	R500	WR19	R620	WR15	FUGP	Cu
HD-620740WA...	60.5-75.8	1.20	50	R620	WR15	R740	WR12	FUGP	Cu
HD-740900WA...	73.8-91.9	1.20	50	R740	WR12	R900	WR10	FUGP	Cu

**Indicates Model Number. See Ordering Information for complete part number.*

【Ordering Information】



- Flange type: Multiple types available - see HengDa Microwave Flanges page
- Finish: Corrosion protection plus black/grey top coat

4.2 Special Transitions

Transitions spanning multiple bands, rectangular to circular waveguide transitions are available.

Please consult sales engineer for more information.

