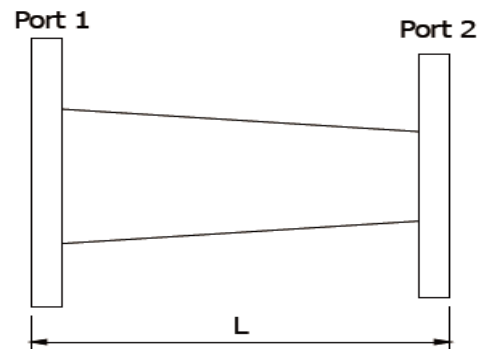
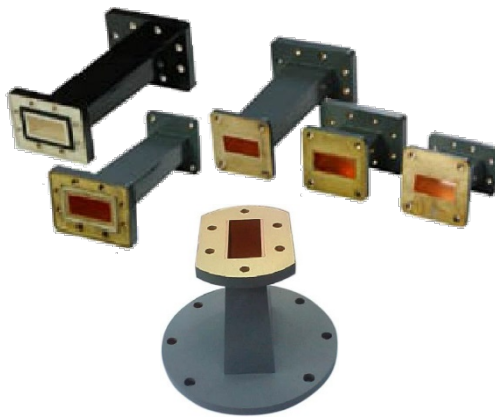


Waveguide Transition

Dolph 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.

➤ Rectangular to Rectangular Transition Adapter



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● Specifications

Model No*	Freq Range (GHz)	VSWR (Max)	Length (mm)	Port1 WG T ype		Port2 WG T ype		Flange	Material
				IEC	EIA	IEC	EIA		
DH-34WA...	0.35-0.49	1.10	1000	R3	WR2300	R4	WR2100	FDP/FDM	Al
DH-45WA...	0.41-0.53	1.10	1000	R4	WR2100	R5	WR1800	FDP/FDM	Al
DH-56WA...	0.49-0.62	1.10	900	R5	WR1800	R6	WR1500	FDP/FDM	Al
DH-68WA...	0.64-0.75	1.10	800	R6	WR1500	R8	WR1150	FDP/FDM	Al
DH-89WA...	0.75-0.98	1.10	600	R8	WR1150	R9	WR975	FDP/FDM	Al
DH-912WA...	0.96-1.15	1.10	500	R9	WR975	R12	WR770	FDP/FDM	Al
DH-1214WA...	1.13-1.46	1.10	400	R12	WR770	R14	WR650	FDP/FDM	Al
DH-1418WA...	1.45-1.73	1.10	350	R14	WR650	R18	WR510	FDP/FDM	Al
DH-1822WA...	1.72-2.20	1.10	300	R18	WR510	R22	WR430	FDP/FDM	Al/Cu
DH-2226WA...	2.17-2.61	1.10	250	R22	WR430	R26	WR340	FDP/FDM	Al/Cu
DH-2632WA...	2.60-3.30	1.10	200	R26	WR340	R32	WR284	FDP/FDM	Al/Cu
DH-3240WA...	3.22-3.95	1.10	200	R32	WR284	R40	WR229	FDP/FDM	Al/Cu
DH-4048WA...	3.94-4.90	1.10	180	R40	WR229	R48	WR187	FDP/FDM	Al/Cu

DH-4858WA...	4.64-5.99	1.10	180	R48	WR187	R58	WR159	FDP/FDM	Al/Cu
DH-5870WA...	5.38-7.05	1.10	150	R58	WR159	R70	WR137	FDP/FDM	Al/Cu
DH-7084WA...	6.57-8.17	1.10	130	R70	WR137	R84	WR112	FDP/FDM	Al/Cu
DH-84100WA...	8.20-9.99	1.10	100	R84	WR112	R100	WR90	FBP/FBM/FBE	Al/Cu
DH-100120WA...	9.84-12.4	1.10	80	R100	WR90	R120	WR75	FBP/FBM/FBE	Al/Cu
DH-120140WA...	11.9-15.0	1.10	75	R120	WR75	R140	WR62	FBP/FBM/FBE	Al/Cu
DH-140180WA...	14.5-18.0	1.10	60	R140	WR62	R180	WR51	FBP/FBM/FBE	Al/Cu
DH-180220WA...	17.6-22.0	1.10	50	R180	WR51	R220	WR42	FBP/FBM/FBE	Al/Cu
DH-220260WA...	21.7-26.7	1.15	50	R220	WR42	R260	WR34	FBP/FBM/FBE	Al/Cu
DH-260320WA...	26.3-33.0	1.15	50	R260	WR34	R320	WR28	FBP/FBM/FBE	Al/Cu
DH-320400WA...	32.9-40.0	1.15	50	R320	WR28	R400	WR22	FBP/FBM/FBE	Al/Cu
DH-400500WA...	39.2-60.1	1.20	50	R400	WR22	R500	WR19	FUGP	Cu
DH-500620WA...	49.8-59.6	1.20	50	R500	WR19	R620	WR15	FUGP	Cu
DH-620740WA...	60.5-75.8	1.20	50	R620	WR15	R740	WR12	FUGP	Cu
DH-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

Example Part No: **DH- 84100 WA 100 P M A**

Dolph Microwave

WG Type: R84 to R100

Product Type: WG Transition

Material: A=Aluminum C=Copper

Port 2 Flange Type: M=FBM100

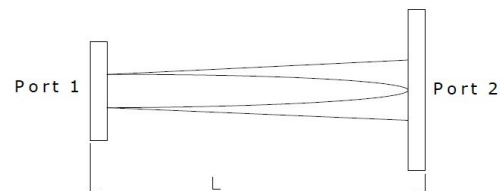
Port 1 Flange Type: P=FBP100

WG Transition Length: L=100mm

▪ Flange type: Multiple types available – see Dolph Microwave Flanges page.

▪ Finish: Corrosion protection plus black/grey top coat.

➤ Rectangular to Circular Transition Adapter



● Specifications

Model No*	Freq Range (GHz)	VSWR (Max)	Length (mm)	WG Type		Inner Diameter of Circular WG (mm)	Material	Finish
				IEC	EIA			
DH-14RCA157	1.30-1.70	≤1.10	920	R14	WR650	157	Al	Conductive Oxidation
DH-18RCA114.58	1.7-2.2002	≤1.10	820	R18	WR510	114.58	Al	Conductive Oxidation
DH-22RCA97.87	2.07-2.61	≤1.10	580	R22	WR430	97.87	Al	Conductive Oxidation
DH-26RCA83.62	2.42-3.30	≤1.10	500	R26	WR340	83.62	Al	Conductive Oxidation
DH-32RCA71.42	2.83-3.88	≤1.10	420	R32	WR84	71.42	Al	Conductive Oxidation
DH-40RCA51.99	3.22-4.90	≤1.10	350	R40	WR229	51.99	Al	Conductive Oxidation
DH-48RCA44.45	3.94-5.33	≤1.10	300	R48	WR187	44.45	Al	Conductive Oxidation
DH-58RCA38.1	5.3-7.05	≤1.10	230	R58	WR159	38.1	Al	Conductive Oxidation
DH-70RCA32.537	6.21-8.17	≤1.10	200	R70	WR137	32.537	Al	Conductive Oxidation
DH-84RCA27.788	7.30-9.97	≤1.10	200	R84	WR112	27.788	Al	Conductive Oxidation
DH-100RCA23.825	8.50-11.6	≤1.10	160	R100	WR90	23.825	Cu	Silver Plating
DH-120RCA17.415	11.6-15.0	≤1.10	130	R120	WR75	17.415	Cu	Silver Plating
DH-140RCA15.088	13.4-18.0	≤1.10	100	R180	WR62	15.088	Cu	Silver Plating
DH-180RCA12.7	15.9-21.8	≤1.15	100	R180	WR51	12.7	Cu	Silver Plating
DH-220RCA9.525	21.2-26.7	≤1.15	60	R220	WR42	9.525	Cu	Silver Plating
DH-260RCA8.331	24.3-33.0	≤1.15	60	R260	WR34	8.331	Cu	Silver Plating
DH-320RCA7.137	31.8-40.0	≤1.15	50	R320	WR28	7.137	Cu	Silver Plating
DH-400RCA5.563	36.4-49.8	≤1.15	50	R400	WR22	5.563	Cu	Gold Plating
DH-500RCA4.369	46.3-59.6	≤1.15	40	R500	WR19	4.369	Cu	Gold Plating
DH-620RCA3.581	56.6-75.8	≤1.15	30	R620	WR15	3.581	Cu	Gold Plating
DH-740RCA3.175	63.5-87.2	≤1.15	30	R740	WR12	3.175	Cu	Gold Plating
DH-900RCA2.388	84.8-112	≤1.15	20	R900	WR10	2.388	Cu	Gold Plating

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

● Ordering Information

Example Part No: DH- 100 RCA 23.825

Dolph Microwave ——— Inner Diameter of Circular
WG Type: BJ100 WR90 WG 23.825mm
Product Type: Rectangular to Circular Adapter

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