



FLANN MICROWAVE

Rectangular Waveguide to Waveguide Tapered Transitions

Series 000

Features

- Low VSWR
- Minimal Length



Model 15000-19

Waveguide to waveguide tapered transitions provide a gradual dimensional change between two sizes of waveguide.

The larger components are accurately fabricated from laser cut plates; smaller tapers are either precision electroformed or machined. In applications where waveguide frequency bands overlap the transitions exhibit low VSWR and low insertion loss whilst maintaining high mode purity.

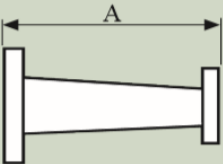
For most models with overlapping frequency bands, the VSWR is typically better than 1.03 in the common part of the frequency ranges. Tapered Transitions not listed can be made to special order.

ORDERING INFORMATION

Model: Description

Example: Model 18000-22 Waveguide tapered transition

WG18 (WR62) to WG22 (WR28)



Series 000

FLANN MICROWAVE LTD.

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Specifications

Model	Waveguide to Waveguide						Overall Length (mm)	Weight (kg)
	WG	R	WR	WG	R	WR		
09A000-10	9A	26	340	10	32	284	134	Details on request
10000-11A	10	32	284	11A	40	229	130	1.6
11A000-12	11A	40	229	12	48	187	110	0.93
12000-13	12	48	187	13	58	159	85	0.9
13000-14	13	58	159	14	70	137	80	0.78
14000-15	14	70	137	15	84	112	75	0.45
15000-16	15	85	112	16	100	90	72	0.25
16000-17	16	100	90	17	120	75	58	0.18
17000-18	17	120	75	18	140	62	60	0.15
18000-19	18	140	62	19	180	51	60	0.13
19000-20	19	180	51	20	220	42	50	0.12
20000-21	20	220	42	21	260	34		0.065
21000-22	21	260	34	22	320	28	50	0.05
22000-23	22	320	28	23	400	22	50	0.05
23000-24	23	400	22	24	500	19	35	0.05
24000-25	24	500	19	25	620	15	35	0.04
25000-26	25	620	15	26	740	12	25	0.03
26000-27	26	740	12	27	900	10	25	0.03
27000-28	27	900	10	28	1200	8	25	0.02
28000-29	28	1200	8	29	1400	6		
29000-30	29	1400	6	30	1800	5	25	0.06
30000-31	30	1800	5	31	2200	4	25	0.025
31000-32	31	2200	4	32	2600	3	25	0.05
32000-710	32	2600	3	-		'2.8'	25	0.024
710000-570	-		'2.8'			'2.2'	25	

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