

Waveguide Taper Transitions

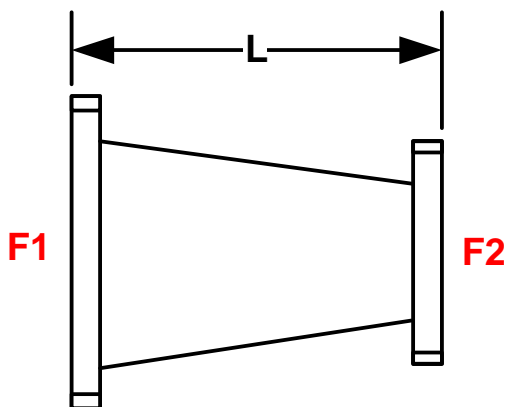
Luso Electronics range of taper transitions allow you to connect two different waveguide sizes together while still maintaining low loss, low VSWR and high mode purity. Standard construction is copper waveguide with brass flanges. For custom design requirements including tapers between different waveguide sizes and different lengths please contact the sales office.

Standard product table

WAVEGUIDE SIZE @ F1		WAVEGUIDE SIZE @ F2		FREQUENCY RANGE (GHz)	VSWR Max	BASE MODEL No.	LENGTH (mm)
WR284	WG10	WR229	WG11A	3.30 – 3.95	1.05	LU284-229TAP	200.0
WR229	WG11A	WR187	WG12	3.95 – 4.90	1.05	LU229-187TAP	200.0
WR187	WG12	WR159	WG13	4.90 – 5.85	1.05	LU187-159TAP	200.0
WR159	WG13	WR137	WG14	5.85 – 7.05	1.05	LU159-137TAP	150.0
WR137	WG14	WR112	WG15	7.05 – 8.20	1.05	LU137-112TAP	100.0
WR112	WG15	WR90	WG16	8.20 – 10.00	1.05	LU112-90TAP	100.0
WR90	WG16	WR75	WG17	10.00 – 12.40	1.05	LU90-75TAP	100.0
WR75	WG17	WR62	WG18	12.40 – 15.00	1.05	LU75-62TAP	75.0
WR62	WG18	WR51	WG19	15.00 – 18.00	1.05	LU62-51TAP	60.0
WR51	WG19	WR42	WG20	18.00 – 22.00	1.05	LU51-42TAP	50.0
WR42	WG20	WR34	WG21	22.00 – 26.50	1.05	LU42-34TAP	50.0

FLANGES				
CPR-G = 1	CPR-F = 2	US COVER = 3	US SEAL = 4	PDR = 5
UDR = 6	PBR = 7	UBR = 8	PAR = 9	CAR = 10

For other flange options please contact the sales department



Example: [LU75-62TAP-7-8](#) is a WR75 to WR62 taper transition with a PBR120 flange at F1 and a UBR140 flange at F2. For other flange types, please specify F1 and F2 on purchase order.