

Waveguide Bends

Luso Electronics range of 90 degree bends are available as either E or H plane and with either a swept (WR137-WR42) or with a cast corner (WR284-WR42). They exhibit a typical VSWR of better than 1.10 over the full waveguide band. We can also fabricate complex multi-bend assemblies. Standard construction is copper waveguide with brass flanges. For custom design requirements including different angles and the use of aluminium please contact the sales office.

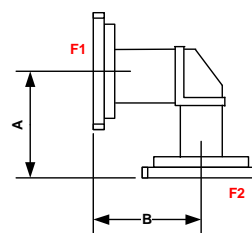
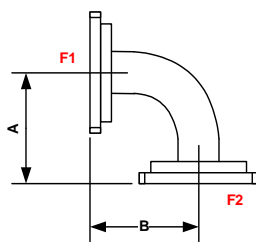
Standard product table

WAVEDUIDE SIZE		FREQUENCY RANGE (GHz)	BASE MODEL No. (SWEPT BEND)	BASE MODEL No. (CAST BEND)
WR284	WG10	2.60 - 3.95	N/A	LU284CB
WR229	WG11A	3.30 - 4.90	N/A	LU229CB
WR187	WG12	3.95 - 5.85	N/A	LU187CB
WR159	WG13	4.90 - 7.05	N/A	LU159CB
WR137	WG14	5.85 - 8.20	LU137SB	LU137CB
WR112	WG15	7.05 - 10.00	LU112SB	LU112CB
WR90	WG16	8.20 - 12.40	LU90SB	LU90CB
WR75	WG17	10.00 - 15.00	LU75SB	LU75CB
WR62	WG18	12.40 - 18.00	LU62SB	LU62CB
WR51	WG19	15.00 - 22.00	LU51SB	LU51CB
WR42	WG20	18.00 - 26.50	LU42SB	LU42CB

FLANGES

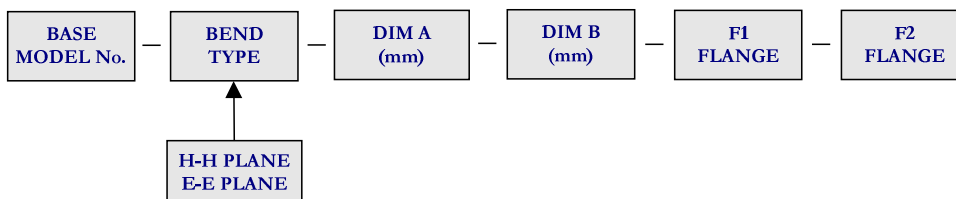
CPR-G = 1	CPR-F = 2	US COVER = 3	US SEAL = 4	PDR = 5
UDR = 6	PBR = 7	UBR = 8	PAR = 9	CAR = 10

For other flange options please contact the sales department



SWEPT BEND

CAST BEND



Example: LU75SB-H-70-100-7-8 is a WR75 swept H-plane bend with 'A' dim of 70mm and 'B' dim of 100mm and a PBR120 at F1 and a UBR120 flange at F2. For other flange types, please specify F1 and F2 on purchase order.