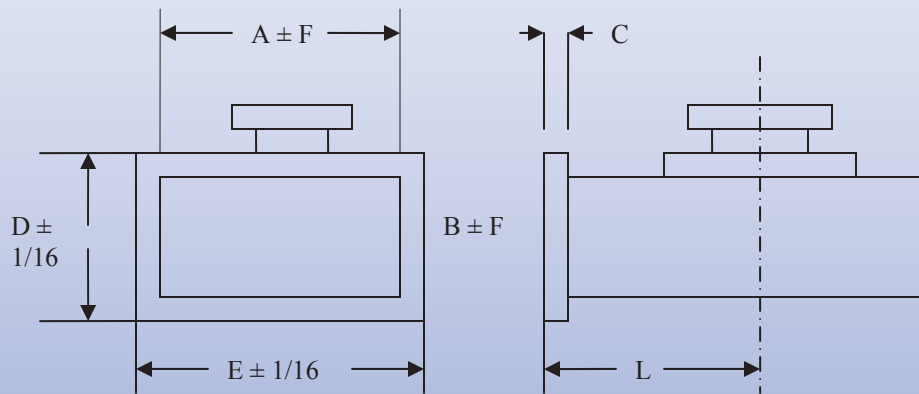
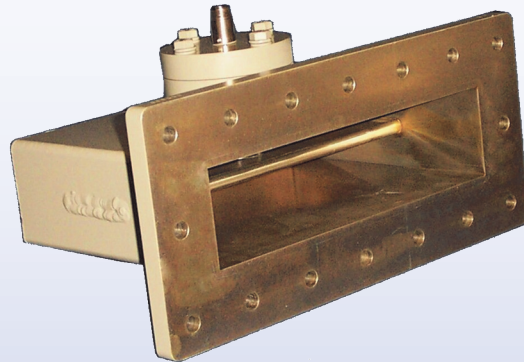




Product Data Sheet Waveguide to Coaxial Transitions



Mega Industries manufactures a complete line of waveguide to coaxial transitions. For laboratory testing or other low power applications, we recommend “Probe type” transitions to type “N” coaxial line; while our low VSWR “cross-bar” design provides optimum electrical performance for high power applications. To facilitate feed system layouts, the dimension chart below gives interface dimensions.

Standard transitions have fixed flanges. 3-1/8, 6-1/8 and 9-3/16 coaxial adaptors for WR1800 and larger waveguides are female; other rigid coaxial adaptors are male. Also available are water-cooled transitions, half-height, and adaptors for SC, APC-7, SMA and other configurations.

Waveguide Size	WR2300	WR2100	WR1800	WR1500	WR1150	WR975	WR770	WR650	WR430
To Type N	3010001	3110001	3210001	3310001	3410001	3510001	3610001	3710001	4010001
To 7/8"						3510050	3610050	3710050	4010050
To 1-5/8"		3110080	3210080	3310080	3410080	3510080	3610080	3710080	4010080
To 3-1/8	3010111	3110111	3210111	3310112	3410112	3510110	3610112	2710112	
To 6-1/8	3010171	3110171	3210171	3310172	3410172				
To 9-3/16	3010191	3110191	3210191						



Product Data Sheet Waveguide to Coaxial Transitions

Dimensions

Waveguide size	A In inches	B In inches	C In inches	D In inches	E In inches	F In inches	L In inches	Wall Thickness In inches	Max Pressure PSIG
WR2300	23.00	11.50	0.62	15.125	26.63	0.20	18	.190	0.25
WR2100	21.00	10.50	0.62	14.125	24.63	0.20	18	.190	0.25
WR1800	18.00	9.00	0.62	12.50	21.50	0.20	12	.190	0.25
WR1500	15.00	7.50	0.44	11.00	18.50	0.15	12	.125	0.25
WR1150	11.50	5.75	0.44	9.25	15.00	0.15	12	.125	0.50
WR975	9.75	4.875	0.44	8.38	13.25	0.10	6	.125	0.50
WR770	7.70	3.85	0.44	7.38	11.22	0.10	6	.125	1.00
WR650	6.50	3.25	0.44	5.44	8.68	.005	6	.125	1.5
WR430	4.30	2.15	.038	4.19	6.34	.005	4	.125	1.5