

Narrow-wall couplers

W/G SIZE	FREQ. RANGE (GHz)	MDL MODEL NUMBERS	MEAN COUPLING (dB)	VAR. FROM MEAN COUPLING vs FREQ. (dB)	PEAK POWER MAIN ARM (KW)	DIRECT-IVITY (dB min)	MECHANICAL DIMENSIONS (INCHES)			INPUT TERMINAL FLANGES EQUIV. TO
							LGT.	A	B	

Multihole

WR90	8.20-12.40	90CS136-1	10 ± 0.7	±1.5	200	30	11.50	0.95	0.90	1.60	UG39/U
		90CS146-1	20 ± 0.7	±1.5	200	30	10.25	0.95	0.90	1.60	UG135/U
		90CS156-1	30 ± 0.7	±1.5	200	30	10.25	0.95	0.90	1.60	
	8.50-10.50	90CS76-1	10 ± 1.0	Included in mean coupling	200	25	8.25	0.95	0.90	1.60	
		90CS86-1	20 ± 1.0		200	25	8.25	0.95	0.90	1.60	
		90CS96-1	30 ± 1.0		200	25	8.25	0.95	0.90	1.60	
WR112	8.50-9.60	112CS106-1*	30 ± 1.0	Included in mean coupling	350	25	7.00	1.06	0.90	1.60	Main arm: UG51/U UG138/U
		112CS116-1*	40 ± 1.0		350	25	7.00	1.06	0.90	1.60	Secondary arm: UG39/U UG135/U
		112CS126-1*	50 ± 1.0		350	25	7.00	1.06	0.90	1.60	
	7.05-10.00	112CS66-1	10 ± 0.7	±1.5	350	30	12.75	1.17	1.00	2.00	UG138/U
		112CS76-1	20 ± 0.7	±1.5	350	30	11.25	1.17	1.00	2.00	UG51/U
		112CS86-1	30 ± 0.7	±1.5	350	30	11.25	1.17	1.00	2.00	
WR137	6.50-8.00	137CS16-1	10 ± 1.0	-	500	25	16.50	1.44	1.80	2.30	UG441/U
		137CS26-1	20 ± 1.0	-	500	25	16.50	1.44	1.80	2.30	UG344/U

*WR90 waveguide in the auxiliary arm. Auxiliary arm load: 3 watts average.

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