

Narrow-wall couplers

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)	DIRECTIVITY (dB min)	MECHANICAL DIMENSIONS (INCHES)			INPUT TERMINAL FLANGES EQUIV. TO	
							LGT.	A	B		C
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
		112CS116-1*	40 ± 1.0		350	25	7.00	1.06	0.90	1.60	UG138/U
		112CS126-1*	50 ± 1.0		350	25	7.00	1.06	0.90	1.60	Secondary arm: UG39/U
	7.05-10.00	112CS66-1	10 ± 0.7	±1.5	350	30	12.75	1.17	1.00	2.00	UG135/U
		112CS76-1	20 ± 0.7	±1.5	350	30	11.25	1.17	1.00	2.00	UG138/U
		112CS86-1	30 ± 0.7	±1.5	350	30	11.25	1.17	1.00	2.00	UG51/U
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.

