

Low Power Variable Attenuators

The variable attenuator uses an adjustable resistance card through the precision broadwall of the waveguide. To achieve variable attenuation, the moving card is actuated by a precision micrometer. Calibration charts (5 points) for micrometer setting vs dB is provided with each attenuator. The calibration frequency is specified below. The attenuation flatness, over the full waveguide band and at maximum attenuation setting, is within 5 dB and the VSWR is better than 1.4.

M2370 Low Power Variable Attenuators

Part No.	WR Type	Maximum Attenu. Range (dB)	Max. VSWR*	Cal. Freq. (GHz)	Power Rating (W)	DIM A (in.)
M2370 – 1	284	0.2 – 50	1.15	3.3	1.5	16.00
M2370 – 2	229	0.2 – 50	1.15	4.1	1.5	15.00
M2370 – 3	187	0.2 – 50	1.15	4.9	1.5	13.00
M2370 – 4	159	0.2 – 50	1.15	6.0	1.5	12.00
M2370 – 5	137	0.2 – 50	1.15	7.0	1.5	10.00
M2370 – 6	112	0.2 – 50	1.15	8.5	1.0	8.00
M2370 – 7	90	0.2 – 50	1.15	10.3	1.0	6.00
M2370 – 8	75	0.2 – 50	1.15	12.5	1.0	5.00
M2370 – 9	62	0.2 – 50	1.15	15.2	1.0	4.50
M2370 – 10	51	0.2 – 50	1.15	18.5	1.0	4.00
M2370 – 11	42	0.2 – 35	1.15	22.5	0.5	3.50
M2370 – 12	34	0.2 – 35	1.20	27.5	0.5	3.00
M2370 – 13	28	0.2 – 35	1.20	33.2	0.5	3.00
M2370 – 14	22	0.2 – 35	1.20	41.5	0.5	3.00

ORDERING INFORMATION

1. Specify base model number and waveguide size from table above.
2. Specify flanges required (see Flange Numeric Codes page 30 of this section).
3. For special request add –S and specify; e.g. calibration frequency, calibration range, etc...

ORDERING EXAMPLE

Part No.	W/G	Flanges
M2370	2	5 - 5

Part Number – M2370-2-5-5

The example describes a WR229 Low Power Variable Attenuator with CMR flanges, 8 Tapped Holes on both sides.