



Features

- Full Waveguide Band
- Low Frequency Sensitivity
- Models from 3.94 GHz to 330 GHz

The fixed attenuators, Series 081, are low VSWR devices suitable for operating over the full waveguide band.

The absolute attenuation is within $\pm 10\%$ of nominal value.

Standard models are available in a range of attenuation values from 3 dB to 30 dB. Units with attenuation values from up to 60 dB are available to special order. Custom attenuation values can also be accommodated, details on request.



Model: 18081-50

Standard Attenuation Values (dB)	Suffix
3	-03
6	-06
10	-10
20	-20
30	-30

Ordering Information

WG designation	Series	Flange
WG12 to WG32	081	See flann.com

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**Specifications**

Model	Frequency Range (GHz)	Waveguide			VSWR (better than)		Mean Power (W)	Flange to Flange length (mm)
		WG	R	WR	Models 3 to 25 dB	Models >30 dB		
12081	3.94 – 5.99	12	48	187	1.1	1.2	1	229
13081	4.64 – 7.05	13	58	159	1.1	1.2	0.5	
14081	5.38 – 8.18	14	70	137	1.1	1.2	0.5	280
15081	6.58 – 10.0	15	84	112	1.1	1.2	0.5	180
16081	8.20 – 12.5	16	100	90	1.1	1.2	0.5	130
17081	9.84 – 15.00	17	120	75	1.1	1.2	0.5	120
18081	11.9 – 18.00	18	140	62	1.1	1.2	0.5	120
19081	14.5 – 22.0	19	180	51	1.1	1.2	0.4	110
20081	17.6 – 26.7	20	220	42	1.1	1.2	0.3	76
21081	21.7 – 33.0	21	260	34	1.1	1.2	0.3	76
22081	26.4 – 40.1	22	320	28	1.1	1.2	0.3	70
23081	33.0 – 50.1	23	400	22	1.1	1.2	0.25	70
24081	39.3 – 59.7	24	500	19	1.1	1.2	0.25	70
25081	49.9 – 75.8	25	620	15	1.1	1.2	0.25	60
26081	60.5 – 92.0	26	740	12	1.1	1.2	0.2	50
27081	73.8 – 112	27	900	10	1.1	1.2	0.15	50
28081	92.3 – 140	28	1200	8	1.1	1.2	0.12	50
29081	114 – 173	29	1400	6	1.16	1.2	0.1	40
30081	145 – 220	30	1800	5	1.25	1.25	0.05	40
31081	172 – 261	31	2200	4	1.3	1.3	0.05	40
32081	217 – 330	32	2600	3	1.4	1.4	0.05	25 or 30

Related Products

Series 080: Attenuators, Variable

Series 580/582: Attenuators, Fixed, Precision

Environmental Specifications

0°C to 40°C Non-operating ambient temperature

5°C to 35°C Operating ambient temperature.

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