



Features

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



Model 18081-50

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.

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

Related Products

Series 080: Attenuators, Variable

Series 580, 582: Attenuators, Fixed, Precision

Ordering Information

Model	Series	-	Flange
WG12 – WG32	081		See flann.com

Environmental Specification

Ambient operating temperature: 5 to 35 °C

Ambient Non-operating temperature: 0 to 40°C



Specifications

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

Custom Design

Custom designs are possible for specific applications. Please contact the Sales Team for more information

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