

# Programmable Attenuator

# RCDAT-18G-63

## Typical Performance Data @ 0°C

FREQUENCY (MHz)	Attenuation relative to Insertion Loss (dB)									
	0.25 dB	1 dB	5 dB	10 dB	20 dB	30 dB	40 dB	50 dB	60 dB	63 dB
100	0.28	1.00	5.06	10.08	20.12	30.11	40.22	50.25	60.21	63.02
250	0.28	1.01	5.07	10.09	20.13	30.12	40.24	50.24	60.23	63.19
500	0.27	1.00	5.04	10.08	20.10	30.09	40.21	50.22	60.19	63.20
750	0.25	1.00	5.00	10.04	20.04	30.03	40.15	50.15	60.13	63.13
1000	0.24	0.99	4.96	10.01	19.99	29.97	40.09	50.10	60.09	63.05
1250	0.22	0.99	4.94	10.00	19.97	29.95	40.06	50.06	60.06	63.03
1500	0.20	0.99	4.96	10.02	20.00	29.98	40.08	50.09	60.09	63.08
1750	0.19	1.00	4.99	10.05	20.05	30.04	40.13	50.14	60.14	63.09
2000	0.19	1.00	5.03	10.08	20.10	30.10	40.18	50.19	60.21	63.15
2250	0.18	1.00	5.05	10.09	20.13	30.14	40.21	50.22	60.25	63.19
2500	0.18	1.00	5.04	10.08	20.12	30.14	40.21	50.22	60.24	63.20
2750	0.18	0.99	5.02	10.06	20.09	30.11	40.19	50.20	60.20	63.19
3000	0.19	0.99	4.99	10.03	20.06	30.08	40.16	50.18	60.22	63.21
3250	0.19	0.98	4.97	10.01	20.02	30.05	40.13	50.15	60.18	63.18
3500	0.20	0.98	4.95	10.01	20.01	30.04	40.12	50.14	60.15	63.14
3750	0.21	0.98	4.95	10.01	20.02	30.05	40.13	50.15	60.18	63.19
4000	0.22	0.99	4.97	10.03	20.05	30.09	40.15	50.18	60.21	63.22
4250	0.23	0.99	4.99	10.05	20.08	30.13	40.18	50.21	60.25	63.24
4500	0.23	0.99	5.00	10.06	20.10	30.16	40.20	50.23	60.29	63.28
4750	0.23	0.98	5.00	10.05	20.10	30.17	40.21	50.24	60.31	63.29
5000	0.23	0.98	5.00	10.04	20.09	30.17	40.20	50.24	60.31	63.32
5250	0.22	0.97	4.99	10.02	20.08	30.16	40.20	50.24	60.31	63.33
5500	0.22	0.97	4.99	10.01	20.07	30.17	40.20	50.24	60.33	63.35
6000	0.22	0.96	4.98	10.00	20.07	30.18	40.22	50.28	60.39	63.38
6500	0.22	0.96	4.98	10.01	20.07	30.19	40.28	50.34	60.47	63.46
7000	0.21	0.96	5.00	10.03	20.11	30.25	40.38	50.46	60.63	63.64
7500	0.19	0.97	5.05	10.08	20.19	30.35	40.50	50.58	60.73	63.75
8000	0.17	0.97	5.03	10.07	20.18	30.35	40.48	50.54	60.70	63.68
8500	0.17	0.95	4.94	10.00	20.08	30.25	40.34	50.42	60.56	63.60
9000	0.20	0.96	4.94	10.02	20.09	30.26	40.32	50.42	60.54	63.60
9500	0.25	0.99	5.03	10.15	20.25	30.43	40.50	50.61	60.77	63.81
10000	0.28	1.00	5.10	10.21	20.35	30.56	40.66	50.79	60.98	64.04
10500	0.28	0.98	5.05	10.15	20.29	30.52	40.63	50.76	60.95	64.00
11000	0.26	0.97	5.01	10.10	20.24	30.47	40.58	50.70	60.92	63.98
11500	0.25	0.98	5.01	10.13	20.26	30.50	40.58	50.72	60.94	63.99
12000	0.25	0.99	5.04	10.18	20.30	30.54	40.60	50.74	60.94	64.01
12500	0.25	0.98	5.04	10.17	20.30	30.55	40.59	50.74	60.95	63.94
12750	0.25	0.97	5.03	10.15	20.29	30.55	40.58	50.73	60.95	63.98
13000	0.24	0.96	5.03	10.13	20.28	30.55	40.58	50.73	60.93	64.01
13250	0.24	0.96	5.02	10.11	20.27	30.55	40.59	50.76	60.99	64.06
13500	0.24	0.95	5.02	10.10	20.26	30.54	40.61	50.78	61.01	64.07
13750	0.23	0.95	5.01	10.10	20.25	30.54	40.61	50.78	61.03	64.07
14000	0.23	0.96	5.01	10.10	20.25	30.53	40.61	50.78	61.02	64.07
14250	0.23	0.96	5.00	10.10	20.24	30.52	40.60	50.76	61.03	64.08
14500	0.23	0.95	4.99	10.10	20.23	30.51	40.58	50.75	60.98	64.10
14750	0.23	0.95	4.99	10.10	20.22	30.51	40.55	50.72	61.00	64.01
15000	0.23	0.94	4.98	10.09	20.22	30.50	40.53	50.72	60.95	63.97
15250	0.24	0.94	4.99	10.09	20.23	30.52	40.55	50.72	60.94	63.99
15500	0.25	0.94	5.01	10.10	20.25	30.56	40.58	50.76	60.98	64.06
15750	0.25	0.93	5.03	10.11	20.27	30.59	40.64	50.82	61.01	64.06
16000	0.26	0.93	5.04	10.12	20.29	30.62	40.70	50.89	61.13	64.24
16250	0.26	0.93	5.05	10.13	20.30	30.64	40.75	50.95	61.22	64.29
16500	0.26	0.93	5.05	10.13	20.31	30.65	40.78	50.99	61.26	64.33
16750	0.26	0.93	5.05	10.13	20.32	30.66	40.81	51.00	61.29	64.38
17000	0.26	0.93	5.05	10.12	20.32	30.67	40.81	51.02	61.33	64.39
17250	0.25	0.93	5.05	10.11	20.32	30.67	40.81	51.02	61.35	64.41
17500	0.25	0.93	5.05	10.10	20.31	30.67	40.81	51.00	61.36	64.39
17750	0.25	0.93	5.05	10.08	20.30	30.66	40.80	51.00	61.29	64.40
18000	0.24	0.93	5.04	10.07	20.28	30.64	40.77	50.97	61.25	64.36

**Notes**

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
- B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuits' applicable established test performance criteria and measurement instructions.
- C. The parts covered by this specification document are subject to Mini-Circuits' standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at [www.minicircuits.com/ACL/Store/terms.jsp](http://www.minicircuits.com/ACL/Store/terms.jsp)



# Programmable Attenuator

# RCDAT-18G-63

## Typical Performance Data @ 0°C

FREQUENCY (MHz)	Attenuation accuracy relative to nominal attenuation setting (dB)									
	0.25 dB	1 dB	5 dB	10 dB	20 dB	30 dB	40 dB	50 dB	60 dB	63 dB
100	-0.03	0.00	-0.06	-0.08	-0.12	-0.11	-0.22	-0.25	-0.21	-0.02
250	-0.03	-0.01	-0.07	-0.09	-0.13	-0.12	-0.24	-0.24	-0.23	-0.19
500	-0.02	0.00	-0.04	-0.08	-0.10	-0.09	-0.21	-0.22	-0.19	-0.20
750	0.00	0.00	0.00	-0.04	-0.04	-0.03	-0.15	-0.15	-0.13	-0.13
1000	0.02	0.01	0.04	-0.01	0.01	0.03	-0.09	-0.10	-0.09	-0.05
1250	0.03	0.01	0.06	0.00	0.03	0.05	-0.06	-0.06	-0.06	-0.03
1500	0.05	0.01	0.04	-0.02	0.01	0.02	-0.08	-0.09	-0.09	-0.08
1750	0.06	0.00	0.01	-0.05	-0.05	-0.04	-0.13	-0.14	-0.14	-0.09
2000	0.07	0.00	-0.03	-0.08	-0.10	-0.10	-0.18	-0.19	-0.21	-0.15
2250	0.07	0.00	-0.05	-0.09	-0.13	-0.14	-0.21	-0.22	-0.25	-0.19
2500	0.07	0.00	-0.04	-0.08	-0.12	-0.14	-0.21	-0.22	-0.24	-0.20
2750	0.07	0.01	-0.02	-0.06	-0.09	-0.11	-0.19	-0.20	-0.20	-0.19
3000	0.06	0.01	0.01	-0.03	-0.06	-0.08	-0.16	-0.18	-0.22	-0.21
3250	0.06	0.02	0.03	-0.01	-0.02	-0.05	-0.13	-0.15	-0.18	-0.18
3500	0.05	0.02	0.05	-0.01	-0.01	-0.04	-0.12	-0.14	-0.15	-0.14
3750	0.04	0.02	0.05	-0.01	-0.02	-0.05	-0.13	-0.15	-0.18	-0.19
4000	0.03	0.01	0.03	-0.03	-0.05	-0.09	-0.15	-0.18	-0.21	-0.22
4250	0.02	0.01	0.01	-0.05	-0.08	-0.13	-0.18	-0.21	-0.25	-0.24
4500	0.02	0.01	0.00	-0.06	-0.10	-0.16	-0.20	-0.23	-0.29	-0.28
4750	0.02	0.02	0.00	-0.05	-0.10	-0.17	-0.21	-0.24	-0.31	-0.29
5000	0.03	0.02	0.00	-0.04	-0.09	-0.17	-0.20	-0.24	-0.31	-0.32
5250	0.03	0.03	0.01	-0.02	-0.08	-0.16	-0.20	-0.24	-0.31	-0.33
5500	0.03	0.03	0.01	-0.01	-0.07	-0.17	-0.20	-0.24	-0.33	-0.35
6000	0.03	0.04	0.02	0.00	-0.07	-0.18	-0.22	-0.28	-0.39	-0.38
6500	0.03	0.04	0.02	-0.01	-0.07	-0.19	-0.28	-0.34	-0.47	-0.46
7000	0.04	0.04	0.00	-0.03	-0.11	-0.25	-0.38	-0.46	-0.63	-0.64
7500	0.06	0.03	-0.05	-0.08	-0.19	-0.35	-0.50	-0.58	-0.73	-0.75
8000	0.08	0.04	-0.03	-0.07	-0.18	-0.35	-0.48	-0.54	-0.70	-0.68
8500	0.08	0.05	0.06	0.00	-0.08	-0.25	-0.34	-0.42	-0.56	-0.60
9000	0.05	0.04	0.07	-0.02	-0.09	-0.26	-0.32	-0.42	-0.54	-0.60
9500	0.01	0.01	-0.03	-0.15	-0.25	-0.43	-0.50	-0.61	-0.77	-0.81
10000	-0.03	0.00	-0.10	-0.21	-0.35	-0.56	-0.66	-0.79	-0.98	-1.04
10500	-0.03	0.02	-0.05	-0.15	-0.29	-0.52	-0.63	-0.76	-0.95	-1.00
11000	-0.01	0.03	-0.01	-0.10	-0.24	-0.47	-0.58	-0.70	-0.92	-0.98
11500	0.00	0.02	-0.01	-0.13	-0.26	-0.50	-0.58	-0.72	-0.94	-0.99
12000	0.00	0.01	-0.04	-0.18	-0.30	-0.54	-0.60	-0.74	-0.94	-1.01
12500	0.00	0.02	-0.04	-0.17	-0.30	-0.55	-0.59	-0.74	-0.95	-0.94
12750	0.00	0.03	-0.03	-0.15	-0.29	-0.55	-0.58	-0.73	-0.95	-0.98
13000	0.01	0.04	-0.03	-0.13	-0.28	-0.55	-0.58	-0.73	-0.93	-1.01
13250	0.01	0.04	-0.02	-0.11	-0.27	-0.55	-0.59	-0.76	-0.99	-1.06
13500	0.01	0.05	-0.02	-0.10	-0.26	-0.54	-0.61	-0.78	-1.01	-1.07
13750	0.02	0.05	-0.01	-0.10	-0.25	-0.54	-0.61	-0.78	-1.03	-1.07
14000	0.02	0.05	-0.01	-0.10	-0.25	-0.53	-0.61	-0.78	-1.02	-1.07
14250	0.02	0.04	0.00	-0.10	-0.24	-0.52	-0.60	-0.76	-1.03	-1.08
14500	0.02	0.05	0.01	-0.10	-0.23	-0.51	-0.58	-0.75	-0.98	-1.10
14750	0.02	0.05	0.01	-0.10	-0.22	-0.51	-0.55	-0.72	-1.00	-1.01
15000	0.02	0.06	0.02	-0.09	-0.22	-0.50	-0.53	-0.72	-0.95	-0.97
15250	0.01	0.06	0.01	-0.09	-0.23	-0.52	-0.55	-0.72	-0.94	-0.99
15500	0.00	0.06	-0.01	-0.10	-0.25	-0.56	-0.58	-0.76	-0.98	-1.06
15750	0.00	0.07	-0.03	-0.11	-0.27	-0.59	-0.64	-0.82	-1.01	-1.06
16000	-0.01	0.07	-0.04	-0.12	-0.29	-0.62	-0.70	-0.89	-1.13	-1.24
16250	-0.01	0.07	-0.05	-0.13	-0.30	-0.64	-0.75	-0.95	-1.22	-1.29
16500	-0.01	0.07	-0.05	-0.13	-0.31	-0.65	-0.78	-0.99	-1.26	-1.33
16750	-0.01	0.07	-0.05	-0.13	-0.32	-0.66	-0.81	-1.00	-1.29	-1.38
17000	-0.01	0.07	-0.05	-0.12	-0.32	-0.67	-0.81	-1.02	-1.33	-1.39
17250	0.00	0.07	-0.05	-0.11	-0.32	-0.67	-0.81	-1.02	-1.35	-1.41
17500	0.00	0.07	-0.05	-0.10	-0.31	-0.67	-0.81	-1.00	-1.36	-1.39
17750	0.00	0.07	-0.05	-0.08	-0.30	-0.66	-0.80	-1.00	-1.29	-1.40
18000	0.01	0.07	-0.04	-0.07	-0.28	-0.64	-0.77	-0.97	-1.25	-1.36

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# Programmable Attenuator

# RCDAT-18G-63

## Typical Performance Data @ 0°C

FREQUENCY (MHz)	Input VSWR (:1)									
	0.25 dB	1 dB	5 dB	10 dB	20 dB	30 dB	40 dB	50 dB	60 dB	63 dB
100	1.47	1.39	1.21	1.04	1.05	1.06	1.03	1.06	1.06	1.09
250	1.38	1.30	1.15	1.01	1.02	1.03	1.01	1.03	1.03	1.05
500	1.29	1.24	1.12	1.01	1.03	1.04	1.02	1.04	1.03	1.05
750	1.18	1.15	1.07	1.03	1.04	1.05	1.03	1.05	1.05	1.07
1000	1.06	1.06	1.03	1.05	1.06	1.06	1.04	1.06	1.06	1.08
1250	1.04	1.04	1.03	1.07	1.07	1.07	1.04	1.07	1.07	1.09
1500	1.12	1.07	1.05	1.08	1.07	1.08	1.05	1.08	1.07	1.10
1750	1.19	1.10	1.05	1.07	1.08	1.08	1.06	1.08	1.08	1.10
2000	1.23	1.12	1.05	1.07	1.08	1.09	1.06	1.08	1.08	1.11
2250	1.26	1.13	1.06	1.06	1.08	1.09	1.07	1.09	1.08	1.11
2500	1.27	1.15	1.07	1.07	1.08	1.09	1.07	1.09	1.08	1.11
2750	1.26	1.16	1.08	1.08	1.08	1.09	1.07	1.09	1.08	1.11
3000	1.23	1.15	1.08	1.08	1.08	1.09	1.07	1.09	1.08	1.11
3250	1.19	1.13	1.08	1.09	1.09	1.09	1.07	1.09	1.09	1.11
3500	1.13	1.10	1.07	1.09	1.09	1.09	1.08	1.09	1.09	1.11
3750	1.07	1.05	1.06	1.09	1.09	1.09	1.08	1.09	1.09	1.11
4000	1.06	1.03	1.06	1.09	1.10	1.10	1.09	1.10	1.10	1.11
4250	1.10	1.07	1.09	1.09	1.10	1.10	1.10	1.10	1.11	1.12
4500	1.17	1.13	1.12	1.10	1.11	1.11	1.11	1.11	1.11	1.12
4750	1.22	1.19	1.16	1.11	1.12	1.12	1.12	1.12	1.12	1.13
5000	1.26	1.23	1.19	1.13	1.13	1.12	1.12	1.12	1.12	1.13
5250	1.29	1.26	1.21	1.14	1.14	1.13	1.13	1.13	1.13	1.13
5500	1.32	1.28	1.23	1.14	1.14	1.13	1.14	1.13	1.14	1.13
6000	1.37	1.30	1.26	1.15	1.14	1.14	1.17	1.14	1.14	1.13
6500	1.42	1.31	1.27	1.16	1.14	1.14	1.18	1.14	1.14	1.12
7000	1.49	1.35	1.28	1.16	1.13	1.13	1.15	1.14	1.13	1.11
7500	1.37	1.26	1.22	1.13	1.12	1.13	1.12	1.13	1.12	1.11
8000	1.10	1.07	1.14	1.12	1.12	1.13	1.12	1.13	1.12	1.11
8500	1.16	1.17	1.16	1.13	1.12	1.13	1.13	1.13	1.12	1.12
9000	1.30	1.27	1.18	1.14	1.13	1.13	1.13	1.13	1.13	1.13
9500	1.28	1.22	1.14	1.13	1.14	1.14	1.12	1.14	1.14	1.14
10000	1.12	1.08	1.05	1.13	1.16	1.16	1.13	1.16	1.16	1.17
10500	1.03	1.08	1.06	1.16	1.18	1.17	1.16	1.17	1.18	1.19
11000	1.06	1.12	1.10	1.18	1.20	1.19	1.18	1.19	1.20	1.21
11500	1.03	1.06	1.09	1.19	1.22	1.20	1.19	1.20	1.22	1.23
12000	1.16	1.09	1.11	1.19	1.23	1.21	1.20	1.21	1.23	1.24
12500	1.34	1.26	1.19	1.19	1.22	1.21	1.20	1.21	1.23	1.23
12750	1.41	1.32	1.22	1.20	1.22	1.20	1.20	1.20	1.22	1.23
13000	1.42	1.35	1.24	1.20	1.21	1.20	1.20	1.20	1.21	1.22
13250	1.39	1.34	1.25	1.20	1.20	1.19	1.20	1.19	1.20	1.21
13500	1.33	1.30	1.24	1.19	1.19	1.18	1.20	1.18	1.19	1.20
13750	1.29	1.27	1.23	1.18	1.19	1.18	1.20	1.18	1.19	1.20
14000	1.28	1.26	1.23	1.18	1.18	1.18	1.20	1.18	1.18	1.19
14250	1.32	1.29	1.24	1.17	1.18	1.17	1.19	1.17	1.18	1.19
14500	1.39	1.34	1.27	1.17	1.17	1.16	1.18	1.17	1.17	1.18
14750	1.46	1.40	1.29	1.18	1.16	1.16	1.18	1.16	1.16	1.17
15000	1.52	1.45	1.31	1.18	1.15	1.15	1.17	1.15	1.15	1.17
15250	1.54	1.46	1.31	1.18	1.14	1.14	1.17	1.15	1.14	1.16
15500	1.51	1.44	1.30	1.17	1.13	1.13	1.16	1.14	1.12	1.14
15750	1.44	1.38	1.27	1.15	1.11	1.12	1.15	1.12	1.11	1.13
16000	1.37	1.32	1.24	1.13	1.09	1.10	1.14	1.11	1.09	1.11
16250	1.30	1.27	1.21	1.11	1.08	1.09	1.12	1.09	1.07	1.10
16500	1.25	1.22	1.18	1.09	1.06	1.07	1.10	1.07	1.06	1.08
16750	1.22	1.19	1.16	1.08	1.05	1.06	1.08	1.06	1.05	1.07
17000	1.18	1.17	1.14	1.07	1.06	1.06	1.08	1.06	1.05	1.07
17250	1.15	1.14	1.13	1.08	1.07	1.07	1.08	1.07	1.06	1.08
17500	1.11	1.11	1.13	1.09	1.08	1.08	1.08	1.08	1.08	1.10
17750	1.08	1.09	1.14	1.10	1.10	1.10	1.09	1.10	1.10	1.12
18000	1.11	1.10	1.16	1.12	1.12	1.13	1.11	1.12	1.12	1.14

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# Programmable Attenuator

# RCDAT-18G-63

## Typical Performance Data @ 0°C

FREQUENCY (MHz)	Output VSWR (:1)									
	0.25 dB	1 dB	5 dB	10 dB	20 dB	30 dB	40 dB	50 dB	60 dB	63 dB
100	1.45	1.49	1.37	1.38	1.31	1.30	1.11	1.11	1.11	1.11
250	1.36	1.40	1.30	1.32	1.26	1.25	1.07	1.07	1.07	1.07
500	1.29	1.33	1.27	1.28	1.25	1.24	1.07	1.07	1.07	1.07
750	1.19	1.23	1.21	1.21	1.22	1.22	1.07	1.07	1.07	1.07
1000	1.07	1.11	1.16	1.15	1.19	1.20	1.08	1.08	1.08	1.08
1250	1.03	1.04	1.11	1.10	1.16	1.17	1.09	1.09	1.09	1.09
1500	1.10	1.06	1.10	1.08	1.13	1.14	1.09	1.09	1.09	1.09
1750	1.18	1.13	1.11	1.10	1.12	1.12	1.09	1.09	1.09	1.09
2000	1.25	1.20	1.14	1.14	1.12	1.12	1.09	1.09	1.09	1.09
2250	1.30	1.25	1.16	1.17	1.13	1.12	1.08	1.08	1.08	1.08
2500	1.32	1.27	1.18	1.20	1.14	1.13	1.08	1.08	1.08	1.08
2750	1.30	1.25	1.18	1.20	1.16	1.15	1.07	1.07	1.07	1.07
3000	1.24	1.21	1.16	1.19	1.16	1.16	1.07	1.07	1.07	1.07
3250	1.17	1.14	1.14	1.15	1.16	1.16	1.07	1.07	1.07	1.07
3500	1.09	1.07	1.11	1.12	1.14	1.15	1.07	1.07	1.07	1.07
3750	1.05	1.04	1.10	1.09	1.13	1.13	1.07	1.07	1.07	1.07
4000	1.06	1.06	1.09	1.07	1.11	1.12	1.07	1.07	1.07	1.07
4250	1.10	1.11	1.10	1.08	1.09	1.10	1.07	1.07	1.07	1.07
4500	1.14	1.14	1.11	1.10	1.09	1.09	1.07	1.07	1.07	1.07
4750	1.15	1.16	1.12	1.13	1.10	1.09	1.07	1.07	1.07	1.07
5000	1.14	1.17	1.14	1.16	1.13	1.12	1.06	1.06	1.06	1.06
5250	1.14	1.18	1.17	1.20	1.17	1.16	1.05	1.05	1.05	1.05
5500	1.17	1.21	1.22	1.23	1.23	1.22	1.04	1.04	1.04	1.04
6000	1.26	1.27	1.31	1.28	1.31	1.32	1.03	1.03	1.03	1.03
6500	1.29	1.28	1.31	1.30	1.32	1.33	1.05	1.05	1.05	1.05
7000	1.32	1.29	1.26	1.27	1.25	1.25	1.08	1.08	1.08	1.08
7500	1.27	1.23	1.17	1.18	1.14	1.13	1.09	1.09	1.09	1.09
8000	1.16	1.13	1.07	1.08	1.05	1.04	1.10	1.10	1.10	1.10
8500	1.10	1.11	1.05	1.05	1.02	1.02	1.10	1.10	1.10	1.10
9000	1.14	1.16	1.10	1.09	1.06	1.06	1.10	1.10	1.10	1.10
9500	1.17	1.20	1.13	1.13	1.10	1.09	1.10	1.10	1.10	1.10
10000	1.16	1.18	1.12	1.14	1.11	1.10	1.11	1.11	1.11	1.11
10500	1.12	1.14	1.11	1.14	1.12	1.11	1.12	1.12	1.12	1.12
11000	1.04	1.07	1.10	1.13	1.13	1.12	1.12	1.12	1.12	1.12
11500	1.08	1.07	1.09	1.07	1.09	1.10	1.12	1.12	1.12	1.12
12000	1.17	1.15	1.13	1.12	1.11	1.11	1.10	1.10	1.10	1.10
12500	1.24	1.23	1.22	1.26	1.23	1.22	1.08	1.08	1.08	1.08
12750	1.27	1.27	1.27	1.30	1.28	1.27	1.07	1.07	1.07	1.07
13000	1.29	1.29	1.29	1.32	1.30	1.30	1.06	1.06	1.06	1.06
13250	1.29	1.28	1.29	1.30	1.30	1.30	1.05	1.05	1.05	1.05
13500	1.27	1.25	1.27	1.26	1.27	1.28	1.04	1.04	1.04	1.04
13750	1.23	1.22	1.24	1.21	1.24	1.25	1.04	1.04	1.04	1.04
14000	1.20	1.19	1.21	1.18	1.20	1.22	1.03	1.03	1.03	1.03
14250	1.18	1.19	1.20	1.18	1.19	1.19	1.03	1.03	1.03	1.03
14500	1.20	1.21	1.20	1.21	1.20	1.19	1.03	1.03	1.03	1.03
14750	1.24	1.26	1.24	1.26	1.23	1.22	1.03	1.03	1.03	1.03
15000	1.29	1.31	1.28	1.31	1.28	1.26	1.04	1.04	1.04	1.04
15250	1.32	1.34	1.31	1.35	1.32	1.31	1.04	1.04	1.04	1.04
15500	1.33	1.34	1.33	1.36	1.34	1.34	1.05	1.05	1.05	1.05
15750	1.31	1.32	1.33	1.35	1.35	1.35	1.05	1.05	1.05	1.05
16000	1.27	1.28	1.31	1.31	1.33	1.34	1.05	1.05	1.05	1.05
16250	1.24	1.24	1.28	1.26	1.29	1.31	1.06	1.06	1.06	1.06
16500	1.22	1.21	1.25	1.21	1.25	1.27	1.05	1.05	1.05	1.05
16750	1.20	1.19	1.21	1.18	1.21	1.22	1.05	1.05	1.05	1.05
17000	1.18	1.18	1.18	1.15	1.17	1.18	1.05	1.05	1.05	1.05
17250	1.15	1.15	1.14	1.12	1.13	1.13	1.06	1.06	1.06	1.06
17500	1.11	1.11	1.09	1.08	1.08	1.08	1.07	1.07	1.07	1.07
17750	1.06	1.07	1.06	1.04	1.05	1.05	1.09	1.09	1.09	1.09
18000	1.05	1.07	1.08	1.05	1.07	1.08	1.12	1.12	1.12	1.12

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# Programmable Attenuator

# RCDAT-18G-63

## Typical Performance Data @ 0°C

FREQUENCY (MHz)	I. Loss (dB)
100	3.01
250	3.12
500	3.28
750	3.43
1000	3.59
1250	3.68
1500	3.73
1750	3.75
2000	3.76
2250	3.80
2500	3.87
2750	3.96
3000	4.06
3250	4.15
3500	4.23
3750	4.29
4000	4.33
4250	4.36
4500	4.41
4750	4.47
5000	4.55
5250	4.62
5500	4.69
6000	4.81
6500	4.90
7000	4.94
7500	4.97
8000	5.15
8500	5.42
9000	5.54
9500	5.48
10000	5.42
10500	5.57
11000	5.76
11500	5.89
12000	6.02
12500	6.16
12750	6.22
13000	6.27
13250	6.31
13500	6.35
13750	6.39
14000	6.45
14250	6.53
14500	6.62
14750	6.70
15000	6.78
15250	6.84
15500	6.88
15750	6.89
16000	6.90
16250	6.92
16500	6.95
16750	7.00
17000	7.06
17250	7.13
17500	7.23
17750	7.33
18000	7.47

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# Programmable Attenuator

# RCDAT-18G-63

## Typical Performance Data @ 25°C

FREQUENCY (MHz)	Attenuation relative to Insertion Loss (dB)									
	0.25 dB	1 dB	5 dB	10 dB	20 dB	30 dB	40 dB	50 dB	60 dB	63 dB
100	0.28	1.00	5.05	10.01	19.99	29.90	39.95	49.86	60.05	62.69
250	0.28	1.00	5.05	10.02	20.00	29.91	39.95	49.88	59.79	62.74
500	0.27	0.99	5.02	10.01	19.96	29.86	39.91	49.84	59.75	62.72
750	0.25	0.99	4.97	9.97	19.90	29.80	39.84	49.76	59.67	62.63
1000	0.24	0.98	4.93	9.94	19.84	29.74	39.77	49.69	59.60	62.54
1250	0.22	0.98	4.91	9.92	19.82	29.72	39.74	49.66	59.56	62.54
1500	0.20	0.98	4.93	9.94	19.85	29.75	39.76	49.67	59.61	62.56
1750	0.19	0.99	4.97	9.98	19.90	29.81	39.81	49.73	59.66	62.59
2000	0.18	0.99	5.00	10.01	19.95	29.87	39.87	49.79	59.70	62.65
2250	0.18	0.99	5.02	10.02	19.98	29.91	39.90	49.83	59.74	62.68
2500	0.18	0.99	5.01	10.01	19.98	29.91	39.91	49.83	59.76	62.70
2750	0.18	0.98	4.99	9.98	19.94	29.88	39.88	49.81	59.72	62.71
3000	0.18	0.98	4.96	9.96	19.91	29.85	39.85	49.77	59.72	62.69
3250	0.19	0.97	4.93	9.94	19.87	29.81	39.81	49.74	59.69	62.65
3500	0.20	0.97	4.92	9.93	19.86	29.80	39.80	49.73	59.68	62.65
3750	0.21	0.97	4.92	9.94	19.87	29.82	39.80	49.74	59.73	62.63
4000	0.22	0.98	4.94	9.96	19.90	29.86	39.83	49.77	59.75	62.70
4250	0.22	0.98	4.96	9.98	19.93	29.89	39.86	49.80	59.77	62.74
4500	0.23	0.98	4.98	9.98	19.95	29.92	39.88	49.82	59.81	62.78
4750	0.23	0.97	4.98	9.98	19.95	29.93	39.89	49.82	59.83	62.79
5000	0.22	0.97	4.97	9.96	19.94	29.93	39.88	49.82	59.81	62.78
5250	0.22	0.96	4.96	9.95	19.93	29.93	39.88	49.84	59.80	62.79
5500	0.22	0.96	4.96	9.94	19.92	29.93	39.88	49.84	59.83	62.80
6000	0.22	0.95	4.95	9.93	19.92	29.94	39.90	49.88	59.91	62.90
6500	0.22	0.95	4.95	9.93	19.93	29.97	39.96	49.94	59.99	63.00
7000	0.20	0.95	4.97	9.95	19.97	30.03	40.08	50.06	60.14	63.13
7500	0.18	0.96	5.02	10.01	20.05	30.13	40.20	50.20	60.26	63.26
8000	0.17	0.96	5.00	10.00	20.03	30.11	40.16	50.15	60.21	63.18
8500	0.17	0.94	4.91	9.93	19.93	30.01	40.02	50.02	60.09	63.10
9000	0.20	0.95	4.91	9.96	19.95	30.04	40.01	50.03	60.07	63.11
9500	0.25	0.98	5.02	10.08	20.11	30.22	40.20	50.23	60.33	63.33
10000	0.28	0.99	5.07	10.14	20.20	30.33	40.35	50.39	60.49	63.51
10500	0.28	0.97	5.02	10.06	20.13	30.27	40.31	50.34	60.49	63.53
11000	0.26	0.96	4.97	10.03	20.08	30.22	40.25	50.29	60.41	63.43
11500	0.25	0.97	4.99	10.06	20.11	30.26	40.26	50.30	60.40	63.49
12000	0.25	0.98	5.02	10.11	20.16	30.31	40.27	50.33	60.44	63.48
12500	0.25	0.97	5.02	10.10	20.16	30.32	40.26	50.33	60.45	63.48
12750	0.25	0.96	5.01	10.07	20.14	30.31	40.24	50.31	60.46	63.47
13000	0.24	0.95	5.00	10.05	20.12	30.30	40.24	50.31	60.46	63.45
13250	0.24	0.94	4.99	10.03	20.11	30.29	40.25	50.32	60.48	63.51
13500	0.23	0.94	4.99	10.02	20.10	30.29	40.27	50.34	60.49	63.55
13750	0.23	0.94	4.98	10.02	20.10	30.29	40.27	50.34	60.51	63.59
14000	0.23	0.94	4.98	10.02	20.09	30.28	40.27	50.34	60.50	63.57
14250	0.23	0.94	4.97	10.02	20.08	30.27	40.25	50.33	60.49	63.50
14500	0.23	0.94	4.96	10.01	20.07	30.26	40.23	50.32	60.51	63.54
14750	0.23	0.94	4.96	10.01	20.06	30.26	40.21	50.30	60.47	63.52
15000	0.24	0.93	4.96	10.01	20.06	30.26	40.20	50.29	60.45	63.44
15250	0.24	0.93	4.97	10.02	20.08	30.28	40.22	50.31	60.47	63.46
15500	0.25	0.93	4.99	10.03	20.10	30.32	40.27	50.36	60.51	63.56
15750	0.25	0.93	5.00	10.04	20.12	30.35	40.33	50.42	60.57	63.60
16000	0.26	0.92	5.01	10.05	20.14	30.37	40.38	50.49	60.66	63.72
16250	0.26	0.92	5.02	10.05	20.15	30.39	40.42	50.53	60.72	63.73
16500	0.26	0.92	5.02	10.06	20.16	30.40	40.46	50.57	60.76	63.78
16750	0.26	0.92	5.03	10.06	20.17	30.41	40.48	50.60	60.83	63.84
17000	0.25	0.92	5.03	10.05	20.17	30.42	40.49	50.61	60.88	63.88
17250	0.25	0.92	5.02	10.04	20.17	30.43	40.49	50.60	60.84	63.87
17500	0.25	0.92	5.02	10.02	20.16	30.42	40.49	50.60	60.84	63.88
17750	0.24	0.92	5.01	10.01	20.15	30.41	40.47	50.59	60.84	63.87
18000	0.23	0.92	5.00	9.99	20.13	30.39	40.44	50.56	60.78	63.76

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# Programmable Attenuator

# RCDAT-18G-63

## Typical Performance Data @ 25°C

FREQUENCY (MHz)	Attenuation accuracy relative to nominal attenuation setting (dB)									
	0.25 dB	1 dB	5 dB	10 dB	20 dB	30 dB	40 dB	50 dB	60 dB	63 dB
100	-0.03	0.01	-0.05	-0.01	0.01	0.10	0.05	0.15	-0.05	0.32
250	-0.03	0.00	-0.05	-0.02	0.00	0.09	0.05	0.12	0.21	0.26
500	-0.02	0.01	-0.02	-0.01	0.05	0.14	0.09	0.17	0.26	0.28
750	0.00	0.01	0.03	0.03	0.10	0.20	0.16	0.24	0.33	0.37
1000	0.02	0.02	0.07	0.06	0.16	0.26	0.23	0.32	0.40	0.46
1250	0.03	0.02	0.09	0.08	0.18	0.28	0.26	0.34	0.44	0.46
1500	0.05	0.02	0.07	0.06	0.16	0.25	0.24	0.33	0.40	0.44
1750	0.06	0.01	0.03	0.02	0.10	0.19	0.19	0.27	0.34	0.41
2000	0.07	0.01	0.00	-0.01	0.05	0.13	0.13	0.21	0.31	0.35
2250	0.07	0.01	-0.02	-0.02	0.02	0.09	0.10	0.17	0.26	0.32
2500	0.07	0.01	-0.01	-0.01	0.03	0.09	0.09	0.17	0.24	0.30
2750	0.07	0.02	0.01	0.02	0.06	0.12	0.12	0.19	0.28	0.29
3000	0.07	0.02	0.04	0.05	0.10	0.16	0.16	0.23	0.28	0.31
3250	0.06	0.03	0.07	0.06	0.13	0.19	0.19	0.26	0.31	0.35
3500	0.05	0.03	0.08	0.07	0.14	0.20	0.20	0.27	0.32	0.35
3750	0.04	0.03	0.08	0.06	0.13	0.18	0.20	0.26	0.27	0.37
4000	0.03	0.02	0.06	0.04	0.10	0.15	0.17	0.24	0.26	0.31
4250	0.03	0.02	0.04	0.02	0.07	0.11	0.14	0.20	0.23	0.26
4500	0.02	0.02	0.02	0.02	0.05	0.08	0.12	0.18	0.19	0.22
4750	0.02	0.03	0.02	0.02	0.05	0.07	0.11	0.18	0.17	0.21
5000	0.03	0.03	0.03	0.04	0.06	0.07	0.12	0.18	0.20	0.22
5250	0.03	0.04	0.04	0.05	0.07	0.07	0.12	0.16	0.20	0.21
5500	0.03	0.04	0.04	0.06	0.08	0.07	0.12	0.16	0.17	0.20
6000	0.03	0.05	0.05	0.07	0.08	0.06	0.10	0.12	0.10	0.10
6500	0.03	0.05	0.05	0.07	0.07	0.04	0.04	0.06	0.02	0.01
7000	0.05	0.05	0.03	0.05	0.03	-0.03	-0.08	-0.06	-0.14	-0.13
7500	0.07	0.04	-0.02	-0.01	-0.05	-0.13	-0.20	-0.20	-0.26	-0.26
8000	0.08	0.05	0.01	0.00	-0.03	-0.11	-0.16	-0.15	-0.21	-0.18
8500	0.08	0.06	0.09	0.07	0.08	-0.01	-0.02	-0.02	-0.09	-0.10
9000	0.05	0.05	0.09	0.05	0.06	-0.04	-0.01	-0.03	-0.07	-0.11
9500	0.00	0.02	-0.02	-0.08	-0.11	-0.22	-0.20	-0.23	-0.33	-0.33
10000	-0.03	0.01	-0.07	-0.14	-0.20	-0.33	-0.35	-0.39	-0.49	-0.51
10500	-0.03	0.03	-0.02	-0.06	-0.13	-0.27	-0.31	-0.34	-0.49	-0.53
11000	-0.01	0.04	0.03	-0.03	-0.08	-0.22	-0.25	-0.29	-0.41	-0.43
11500	0.00	0.03	0.01	-0.06	-0.11	-0.26	-0.26	-0.30	-0.40	-0.49
12000	0.00	0.02	-0.02	-0.11	-0.16	-0.31	-0.27	-0.33	-0.44	-0.48
12500	0.00	0.03	-0.02	-0.10	-0.16	-0.32	-0.26	-0.33	-0.45	-0.48
12750	0.00	0.04	-0.01	-0.07	-0.14	-0.31	-0.24	-0.31	-0.46	-0.47
13000	0.01	0.05	0.00	-0.05	-0.12	-0.30	-0.24	-0.31	-0.46	-0.45
13250	0.01	0.06	0.01	-0.03	-0.11	-0.29	-0.25	-0.32	-0.48	-0.51
13500	0.02	0.06	0.01	-0.02	-0.10	-0.29	-0.27	-0.34	-0.49	-0.55
13750	0.02	0.06	0.02	-0.02	-0.10	-0.29	-0.27	-0.34	-0.51	-0.59
14000	0.02	0.06	0.02	-0.02	-0.09	-0.28	-0.27	-0.34	-0.50	-0.57
14250	0.02	0.06	0.03	-0.02	-0.08	-0.27	-0.25	-0.33	-0.49	-0.50
14500	0.02	0.06	0.04	-0.01	-0.07	-0.26	-0.23	-0.32	-0.51	-0.54
14750	0.02	0.06	0.04	-0.01	-0.06	-0.26	-0.21	-0.30	-0.47	-0.52
15000	0.01	0.07	0.04	-0.01	-0.06	-0.26	-0.20	-0.29	-0.45	-0.44
15250	0.01	0.07	0.03	-0.02	-0.08	-0.28	-0.22	-0.31	-0.47	-0.46
15500	0.00	0.07	0.01	-0.03	-0.10	-0.32	-0.27	-0.36	-0.51	-0.56
15750	0.00	0.07	0.00	-0.04	-0.12	-0.35	-0.33	-0.42	-0.57	-0.60
16000	-0.01	0.08	-0.01	-0.05	-0.14	-0.37	-0.38	-0.49	-0.66	-0.72
16250	-0.01	0.08	-0.02	-0.05	-0.15	-0.39	-0.42	-0.53	-0.72	-0.73
16500	-0.01	0.08	-0.02	-0.06	-0.16	-0.40	-0.46	-0.57	-0.76	-0.78
16750	-0.01	0.08	-0.03	-0.06	-0.17	-0.41	-0.48	-0.60	-0.83	-0.84
17000	0.00	0.08	-0.03	-0.05	-0.17	-0.42	-0.49	-0.61	-0.88	-0.88
17250	0.00	0.08	-0.02	-0.04	-0.17	-0.43	-0.49	-0.60	-0.84	-0.87
17500	0.00	0.08	-0.02	-0.02	-0.16	-0.42	-0.49	-0.60	-0.84	-0.88
17750	0.01	0.08	-0.01	-0.01	-0.15	-0.41	-0.47	-0.59	-0.84	-0.87
18000	0.02	0.08	0.00	0.01	-0.13	-0.39	-0.44	-0.56	-0.78	-0.76

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# Programmable Attenuator

# RCDAT-18G-63

## Typical Performance Data @ 25°C

FREQUENCY (MHz)	Input VSWR (:1)									
	0.25 dB	1 dB	5 dB	10 dB	20 dB	30 dB	40 dB	50 dB	60 dB	63 dB
100	1.51	1.42	1.23	1.05	1.04	1.05	1.05	1.05	1.04	1.08
250	1.42	1.33	1.17	1.02	1.01	1.02	1.02	1.02	1.02	1.04
500	1.32	1.26	1.13	1.01	1.02	1.03	1.02	1.03	1.03	1.05
750	1.20	1.16	1.09	1.02	1.04	1.04	1.03	1.04	1.04	1.06
1000	1.08	1.07	1.04	1.04	1.05	1.05	1.03	1.05	1.05	1.07
1250	1.05	1.03	1.03	1.06	1.05	1.06	1.03	1.06	1.05	1.08
1500	1.12	1.06	1.05	1.07	1.06	1.07	1.04	1.07	1.06	1.09
1750	1.19	1.10	1.06	1.06	1.06	1.07	1.05	1.07	1.07	1.09
2000	1.24	1.12	1.06	1.06	1.07	1.07	1.05	1.07	1.07	1.10
2250	1.27	1.14	1.07	1.05	1.07	1.08	1.06	1.08	1.07	1.10
2500	1.28	1.16	1.08	1.06	1.07	1.08	1.06	1.08	1.07	1.10
2750	1.27	1.17	1.09	1.07	1.07	1.08	1.06	1.08	1.08	1.10
3000	1.24	1.16	1.09	1.08	1.08	1.08	1.07	1.08	1.08	1.10
3250	1.19	1.14	1.09	1.09	1.08	1.08	1.07	1.08	1.08	1.10
3500	1.13	1.10	1.08	1.09	1.08	1.09	1.08	1.08	1.08	1.11
3750	1.07	1.06	1.07	1.09	1.09	1.09	1.09	1.09	1.09	1.11
4000	1.07	1.04	1.08	1.09	1.10	1.10	1.09	1.10	1.10	1.11
4250	1.12	1.09	1.10	1.09	1.11	1.10	1.10	1.10	1.11	1.12
4500	1.18	1.15	1.14	1.10	1.11	1.11	1.11	1.11	1.12	1.12
4750	1.23	1.20	1.17	1.12	1.13	1.12	1.12	1.12	1.13	1.13
5000	1.27	1.24	1.20	1.13	1.14	1.13	1.13	1.13	1.14	1.14
5250	1.30	1.27	1.23	1.15	1.15	1.14	1.14	1.14	1.14	1.14
5500	1.33	1.29	1.25	1.16	1.15	1.15	1.16	1.15	1.15	1.14
6000	1.39	1.31	1.28	1.17	1.16	1.15	1.19	1.16	1.16	1.14
6500	1.45	1.34	1.29	1.17	1.16	1.15	1.20	1.16	1.16	1.13
7000	1.53	1.38	1.31	1.18	1.15	1.15	1.17	1.15	1.15	1.13
7500	1.39	1.28	1.24	1.15	1.14	1.15	1.14	1.14	1.14	1.12
8000	1.11	1.08	1.15	1.13	1.13	1.14	1.13	1.14	1.13	1.12
8500	1.17	1.18	1.16	1.14	1.12	1.13	1.14	1.13	1.12	1.12
9000	1.30	1.27	1.18	1.14	1.12	1.13	1.13	1.13	1.12	1.13
9500	1.27	1.22	1.14	1.13	1.13	1.14	1.12	1.14	1.13	1.14
10000	1.12	1.08	1.04	1.12	1.15	1.15	1.12	1.15	1.15	1.16
10500	1.04	1.09	1.06	1.15	1.17	1.16	1.15	1.16	1.17	1.18
11000	1.06	1.12	1.10	1.18	1.20	1.19	1.18	1.19	1.20	1.21
11500	1.03	1.06	1.09	1.19	1.22	1.20	1.19	1.20	1.22	1.23
12000	1.17	1.10	1.12	1.19	1.23	1.22	1.20	1.21	1.23	1.24
12500	1.37	1.28	1.21	1.20	1.23	1.22	1.21	1.22	1.24	1.24
12750	1.44	1.35	1.26	1.21	1.23	1.22	1.22	1.22	1.23	1.24
13000	1.45	1.38	1.28	1.22	1.23	1.21	1.22	1.21	1.22	1.23
13250	1.41	1.36	1.28	1.21	1.22	1.20	1.22	1.20	1.21	1.22
13500	1.36	1.33	1.27	1.20	1.21	1.20	1.22	1.20	1.21	1.21
13750	1.32	1.30	1.26	1.20	1.20	1.19	1.22	1.19	1.20	1.21
14000	1.32	1.29	1.26	1.19	1.19	1.19	1.21	1.19	1.19	1.20
14250	1.37	1.33	1.28	1.19	1.19	1.18	1.21	1.19	1.19	1.20
14500	1.44	1.38	1.30	1.19	1.18	1.18	1.20	1.18	1.18	1.19
14750	1.51	1.44	1.32	1.19	1.17	1.17	1.20	1.17	1.17	1.18
15000	1.55	1.47	1.33	1.19	1.16	1.16	1.19	1.17	1.16	1.17
15250	1.55	1.47	1.33	1.19	1.15	1.15	1.18	1.16	1.15	1.16
15500	1.50	1.43	1.31	1.18	1.14	1.14	1.18	1.15	1.13	1.15
15750	1.44	1.38	1.28	1.16	1.12	1.13	1.17	1.14	1.12	1.14
16000	1.36	1.31	1.25	1.14	1.10	1.12	1.15	1.12	1.10	1.12
16250	1.30	1.26	1.22	1.12	1.08	1.10	1.12	1.10	1.08	1.10
16500	1.26	1.22	1.19	1.10	1.06	1.08	1.10	1.08	1.06	1.08
16750	1.22	1.19	1.17	1.08	1.05	1.07	1.08	1.07	1.05	1.07
17000	1.18	1.16	1.15	1.07	1.05	1.06	1.06	1.06	1.05	1.06
17250	1.14	1.13	1.13	1.07	1.05	1.06	1.06	1.06	1.05	1.07
17500	1.10	1.10	1.12	1.08	1.07	1.07	1.07	1.07	1.07	1.08
17750	1.08	1.08	1.13	1.09	1.09	1.09	1.08	1.09	1.09	1.11
18000	1.11	1.09	1.15	1.11	1.11	1.11	1.10	1.11	1.10	1.13

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# Programmable Attenuator

# RCDAT-18G-63

## Typical Performance Data @ 25°C

FREQUENCY (MHz)	Output VSWR (:1)									
	0.25 dB	1 dB	5 dB	10 dB	20 dB	30 dB	40 dB	50 dB	60 dB	63 dB
100	1.49	1.53	1.41	1.43	1.35	1.34	1.10	1.10	1.10	1.10
250	1.40	1.44	1.34	1.37	1.30	1.29	1.06	1.06	1.06	1.06
500	1.32	1.36	1.30	1.31	1.28	1.27	1.06	1.06	1.06	1.06
750	1.21	1.25	1.24	1.24	1.24	1.25	1.06	1.06	1.06	1.06
1000	1.09	1.13	1.17	1.17	1.21	1.21	1.07	1.07	1.07	1.07
1250	1.04	1.05	1.13	1.11	1.17	1.18	1.08	1.08	1.08	1.08
1500	1.10	1.07	1.11	1.10	1.14	1.15	1.08	1.08	1.08	1.08
1750	1.19	1.14	1.12	1.12	1.13	1.13	1.08	1.08	1.08	1.08
2000	1.26	1.21	1.15	1.15	1.13	1.13	1.08	1.08	1.08	1.08
2250	1.32	1.26	1.18	1.19	1.14	1.14	1.07	1.07	1.07	1.07
2500	1.34	1.28	1.20	1.22	1.16	1.15	1.07	1.07	1.07	1.07
2750	1.31	1.27	1.20	1.22	1.17	1.16	1.06	1.06	1.06	1.06
3000	1.25	1.22	1.18	1.20	1.17	1.17	1.06	1.06	1.06	1.06
3250	1.17	1.15	1.15	1.16	1.17	1.17	1.06	1.06	1.06	1.06
3500	1.10	1.08	1.12	1.12	1.15	1.16	1.06	1.06	1.06	1.06
3750	1.06	1.05	1.10	1.09	1.13	1.14	1.06	1.06	1.06	1.06
4000	1.07	1.07	1.10	1.08	1.12	1.13	1.07	1.07	1.07	1.07
4250	1.11	1.12	1.11	1.09	1.10	1.11	1.07	1.07	1.07	1.07
4500	1.15	1.16	1.12	1.11	1.10	1.10	1.07	1.07	1.07	1.07
4750	1.16	1.18	1.13	1.15	1.11	1.11	1.06	1.06	1.06	1.06
5000	1.15	1.18	1.15	1.18	1.14	1.13	1.06	1.06	1.06	1.06
5250	1.15	1.19	1.18	1.20	1.18	1.17	1.05	1.05	1.05	1.05
5500	1.18	1.21	1.22	1.23	1.23	1.23	1.05	1.05	1.05	1.05
6000	1.28	1.29	1.32	1.29	1.33	1.34	1.04	1.04	1.04	1.04
6500	1.32	1.31	1.34	1.33	1.35	1.36	1.06	1.06	1.06	1.06
7000	1.35	1.32	1.29	1.31	1.28	1.28	1.07	1.07	1.07	1.07
7500	1.28	1.25	1.19	1.20	1.16	1.15	1.08	1.08	1.08	1.08
8000	1.16	1.14	1.08	1.09	1.06	1.05	1.09	1.09	1.09	1.09
8500	1.09	1.10	1.04	1.05	1.02	1.01	1.08	1.08	1.08	1.08
9000	1.13	1.15	1.09	1.09	1.06	1.06	1.08	1.08	1.08	1.08
9500	1.18	1.20	1.14	1.14	1.11	1.10	1.09	1.09	1.09	1.09
10000	1.16	1.18	1.13	1.14	1.11	1.10	1.10	1.10	1.10	1.10
10500	1.13	1.15	1.12	1.15	1.13	1.12	1.12	1.12	1.12	1.12
11000	1.05	1.08	1.11	1.14	1.14	1.13	1.13	1.13	1.13	1.13
11500	1.09	1.09	1.10	1.08	1.10	1.11	1.12	1.12	1.12	1.12
12000	1.19	1.17	1.15	1.15	1.14	1.13	1.11	1.11	1.11	1.11
12500	1.26	1.25	1.25	1.28	1.26	1.25	1.09	1.09	1.09	1.09
12750	1.29	1.29	1.29	1.32	1.30	1.29	1.08	1.08	1.08	1.08
13000	1.31	1.30	1.31	1.32	1.32	1.31	1.07	1.07	1.07	1.07
13250	1.30	1.29	1.30	1.30	1.31	1.31	1.06	1.06	1.06	1.06
13500	1.28	1.27	1.28	1.27	1.28	1.29	1.06	1.06	1.06	1.06
13750	1.25	1.24	1.25	1.23	1.25	1.26	1.05	1.05	1.05	1.05
14000	1.22	1.22	1.23	1.21	1.23	1.24	1.05	1.05	1.05	1.05
14250	1.21	1.22	1.23	1.21	1.22	1.22	1.05	1.05	1.05	1.05
14500	1.23	1.25	1.24	1.24	1.23	1.23	1.06	1.06	1.06	1.06
14750	1.27	1.30	1.27	1.29	1.27	1.25	1.06	1.06	1.06	1.06
15000	1.32	1.33	1.30	1.33	1.30	1.29	1.06	1.06	1.06	1.06
15250	1.34	1.35	1.33	1.36	1.33	1.33	1.07	1.07	1.07	1.07
15500	1.33	1.34	1.34	1.36	1.35	1.35	1.07	1.07	1.07	1.07
15750	1.30	1.31	1.33	1.33	1.34	1.35	1.07	1.07	1.07	1.07
16000	1.26	1.27	1.30	1.30	1.32	1.33	1.07	1.07	1.07	1.07
16250	1.24	1.23	1.27	1.25	1.28	1.29	1.07	1.07	1.07	1.07
16500	1.22	1.21	1.24	1.21	1.24	1.25	1.06	1.06	1.06	1.06
16750	1.21	1.20	1.21	1.18	1.20	1.21	1.06	1.06	1.06	1.06
17000	1.19	1.19	1.18	1.16	1.17	1.18	1.06	1.06	1.06	1.06
17250	1.16	1.16	1.15	1.13	1.13	1.13	1.06	1.06	1.06	1.06
17500	1.12	1.12	1.10	1.09	1.09	1.08	1.08	1.08	1.08	1.08
17750	1.06	1.07	1.05	1.05	1.04	1.04	1.10	1.10	1.10	1.10
18000	1.05	1.07	1.07	1.04	1.06	1.07	1.13	1.13	1.13	1.13

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# Programmable Attenuator

# RCDAT-18G-63

## Typical Performance Data @ 25°C

FREQUENCY (MHz)	I. Loss (dB)
100	3.20
250	3.31
500	3.49
750	3.66
1000	3.84
1250	3.93
1500	3.99
1750	4.02
2000	4.03
2250	4.06
2500	4.14
2750	4.23
3000	4.35
3250	4.45
3500	4.54
3750	4.60
4000	4.64
4250	4.68
4500	4.73
4750	4.80
5000	4.88
5250	4.95
5500	5.02
6000	5.15
6500	5.25
7000	5.29
7500	5.33
8000	5.53
8500	5.82
9000	5.93
9500	5.85
10000	5.80
10500	5.98
11000	6.20
11500	6.34
12000	6.48
12500	6.63
12750	6.69
13000	6.75
13250	6.80
13500	6.84
13750	6.88
14000	6.95
14250	7.03
14500	7.13
14750	7.21
15000	7.28
15250	7.33
15500	7.36
15750	7.38
16000	7.39
16250	7.41
16500	7.45
16750	7.50
17000	7.57
17250	7.65
17500	7.75
17750	7.87
18000	8.03

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# Programmable Attenuator

# RCDAT-18G-63

## Typical Performance Data @ 50°C

FREQUENCY (MHz)	Attenuation relative to Insertion Loss (dB)									
	0.25 dB	1 dB	5 dB	10 dB	20 dB	30 dB	40 dB	50 dB	60 dB	63 dB
100	0.29	0.99	5.04	9.97	19.90	29.75	39.73	49.59	59.25	62.65
250	0.28	0.99	5.04	9.98	19.91	29.76	39.75	49.62	59.47	62.42
500	0.27	0.99	5.01	9.96	19.87	29.72	39.71	49.58	59.43	62.36
750	0.26	0.98	4.96	9.93	19.80	29.65	39.63	49.50	59.35	62.30
1000	0.24	0.98	4.91	9.89	19.74	29.58	39.56	49.43	59.28	62.24
1250	0.22	0.97	4.89	9.88	19.72	29.56	39.52	49.40	59.25	62.18
1500	0.20	0.97	4.91	9.90	19.75	29.59	39.54	49.41	59.26	62.21
1750	0.19	0.98	4.95	9.93	19.80	29.66	39.60	49.46	59.31	62.27
2000	0.18	0.99	4.99	9.96	19.86	29.72	39.66	49.52	59.36	62.33
2250	0.18	0.99	5.01	9.97	19.89	29.75	39.69	49.55	59.40	62.34
2500	0.18	0.99	5.00	9.97	19.88	29.76	39.69	49.55	59.43	62.39
2750	0.18	0.98	4.98	9.94	19.85	29.73	39.67	49.53	59.42	62.36
3000	0.18	0.97	4.94	9.91	19.81	29.69	39.63	49.50	59.40	62.35
3250	0.19	0.97	4.91	9.89	19.77	29.65	39.59	49.47	59.37	62.28
3500	0.20	0.96	4.90	9.89	19.75	29.64	39.57	49.45	59.36	62.32
3750	0.21	0.97	4.91	9.90	19.77	29.66	39.58	49.46	59.35	62.34
4000	0.22	0.97	4.93	9.92	19.80	29.70	39.61	49.49	59.40	62.34
4250	0.23	0.97	4.95	9.94	19.83	29.74	39.64	49.52	59.43	62.37
4500	0.23	0.97	4.96	9.94	19.85	29.77	39.66	49.54	59.46	62.41
4750	0.23	0.97	4.96	9.93	19.85	29.78	39.67	49.56	59.47	62.42
5000	0.23	0.96	4.96	9.92	19.84	29.77	39.66	49.56	59.49	62.43
5250	0.22	0.96	4.95	9.90	19.83	29.77	39.66	49.55	59.50	62.45
5500	0.22	0.95	4.94	9.89	19.83	29.77	39.66	49.56	59.51	62.46
6000	0.22	0.95	4.94	9.88	19.82	29.78	39.68	49.59	59.53	62.52
6500	0.21	0.94	4.94	9.89	19.83	29.81	39.74	49.67	59.65	62.65
7000	0.20	0.95	4.96	9.91	19.88	29.88	39.87	49.80	59.84	62.83
7500	0.18	0.96	5.01	9.97	19.96	29.97	39.99	49.93	59.95	62.88
8000	0.17	0.95	4.98	9.96	19.93	29.95	39.94	49.88	59.86	62.87
8500	0.17	0.94	4.90	9.89	19.83	29.85	39.79	49.73	59.75	62.73
9000	0.20	0.95	4.90	9.92	19.85	29.88	39.79	49.74	59.73	62.73
9500	0.25	0.98	5.00	10.03	20.01	30.06	39.98	49.96	60.01	63.00
10000	0.29	0.98	5.05	10.09	20.10	30.16	40.12	50.10	60.15	63.15
10500	0.28	0.96	4.99	10.01	20.02	30.10	40.06	50.03	60.09	63.12
11000	0.27	0.96	4.95	9.98	19.97	30.05	40.00	49.98	60.03	63.08
11500	0.26	0.97	4.97	10.02	20.01	30.08	40.01	50.00	60.05	63.08
12000	0.25	0.98	5.00	10.06	20.05	30.13	40.03	50.01	60.07	63.10
12500	0.25	0.97	5.00	10.04	20.05	30.14	40.01	50.01	60.07	63.09
12750	0.25	0.96	4.99	10.02	20.03	30.14	40.00	50.01	60.07	63.02
13000	0.24	0.95	4.99	10.00	20.02	30.13	40.00	50.01	60.08	63.04
13250	0.24	0.94	4.98	9.98	20.01	30.13	40.01	50.01	60.12	63.14
13500	0.24	0.94	4.97	9.97	20.00	30.12	40.02	50.03	60.13	63.15
13750	0.23	0.94	4.97	9.97	19.99	30.12	40.03	50.03	60.13	63.17
14000	0.23	0.94	4.97	9.97	19.99	30.11	40.03	50.04	60.15	63.16
14250	0.23	0.94	4.96	9.97	19.98	30.10	40.01	50.03	60.15	63.17
14500	0.23	0.94	4.95	9.97	19.97	30.09	40.00	50.02	60.14	63.15
14750	0.23	0.93	4.94	9.96	19.96	30.08	39.97	49.98	60.08	63.08
15000	0.24	0.93	4.95	9.96	19.96	30.09	39.97	49.97	60.04	63.10
15250	0.24	0.92	4.95	9.96	19.97	30.11	39.99	50.00	60.09	63.10
15500	0.25	0.92	4.97	9.98	19.99	30.14	40.03	50.05	60.11	63.13
15750	0.25	0.92	4.99	9.99	20.02	30.17	40.08	50.12	60.24	63.18
16000	0.26	0.92	5.00	10.00	20.03	30.20	40.14	50.19	60.28	63.23
16250	0.26	0.92	5.01	10.01	20.05	30.21	40.17	50.22	60.33	63.32
16500	0.26	0.92	5.01	10.01	20.05	30.23	40.21	50.26	60.40	63.39
16750	0.26	0.92	5.01	10.01	20.06	30.24	40.24	50.29	60.47	63.44
17000	0.25	0.92	5.01	10.01	20.07	30.25	40.26	50.32	60.47	63.49
17250	0.25	0.92	5.01	10.00	20.06	30.25	40.26	50.32	60.46	63.47
17500	0.25	0.91	5.01	9.98	20.06	30.25	40.25	50.30	60.49	63.50
17750	0.24	0.92	5.00	9.96	20.04	30.24	40.23	50.29	60.44	63.43
18000	0.23	0.92	4.99	9.95	20.02	30.22	40.19	50.26	60.38	63.42

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# Programmable Attenuator

# RCDAT-18G-63

## Typical Performance Data @ 50°C

FREQUENCY (MHz)	Attenuation accuracy relative to nominal attenuation setting (dB)									
	0.25 dB	1 dB	5 dB	10 dB	20 dB	30 dB	40 dB	50 dB	60 dB	63 dB
100	-0.04	0.01	-0.04	0.04	0.10	0.25	0.27	0.42	0.75	0.36
250	-0.03	0.01	-0.04	0.02	0.09	0.24	0.25	0.38	0.53	0.58
500	-0.02	0.01	-0.01	0.04	0.14	0.29	0.29	0.43	0.57	0.65
750	-0.01	0.02	0.04	0.07	0.20	0.35	0.37	0.50	0.65	0.70
1000	0.01	0.03	0.09	0.11	0.26	0.42	0.45	0.57	0.72	0.76
1250	0.03	0.03	0.11	0.12	0.28	0.44	0.48	0.60	0.75	0.82
1500	0.05	0.03	0.09	0.10	0.26	0.41	0.46	0.59	0.75	0.79
1750	0.06	0.02	0.05	0.07	0.20	0.34	0.40	0.54	0.69	0.73
2000	0.07	0.01	0.01	0.04	0.15	0.28	0.35	0.49	0.64	0.68
2250	0.07	0.01	-0.01	0.03	0.11	0.25	0.31	0.45	0.60	0.66
2500	0.07	0.01	0.00	0.04	0.12	0.25	0.31	0.45	0.58	0.62
2750	0.07	0.02	0.02	0.06	0.15	0.27	0.33	0.47	0.58	0.64
3000	0.07	0.03	0.06	0.09	0.20	0.32	0.37	0.50	0.61	0.65
3250	0.06	0.03	0.09	0.11	0.23	0.35	0.41	0.53	0.63	0.72
3500	0.05	0.04	0.10	0.12	0.25	0.36	0.43	0.55	0.64	0.69
3750	0.04	0.03	0.09	0.10	0.23	0.34	0.42	0.54	0.65	0.66
4000	0.03	0.03	0.08	0.08	0.20	0.31	0.39	0.51	0.60	0.67
4250	0.02	0.03	0.05	0.06	0.17	0.26	0.36	0.48	0.57	0.63
4500	0.02	0.03	0.04	0.06	0.15	0.23	0.34	0.46	0.54	0.59
4750	0.02	0.03	0.04	0.07	0.15	0.22	0.33	0.44	0.53	0.58
5000	0.02	0.04	0.04	0.09	0.16	0.23	0.34	0.44	0.52	0.58
5250	0.03	0.04	0.05	0.10	0.17	0.23	0.34	0.45	0.50	0.55
5500	0.03	0.05	0.06	0.11	0.17	0.23	0.34	0.44	0.49	0.54
6000	0.03	0.05	0.06	0.12	0.18	0.22	0.32	0.41	0.47	0.48
6500	0.04	0.06	0.06	0.11	0.17	0.19	0.26	0.34	0.35	0.36
7000	0.05	0.05	0.04	0.09	0.13	0.13	0.14	0.21	0.17	0.18
7500	0.07	0.05	-0.01	0.03	0.05	0.03	0.01	0.08	0.06	0.12
8000	0.08	0.05	0.02	0.05	0.08	0.05	0.06	0.13	0.14	0.14
8500	0.08	0.06	0.11	0.11	0.17	0.15	0.21	0.27	0.26	0.27
9000	0.05	0.05	0.10	0.09	0.15	0.13	0.22	0.26	0.27	0.27
9500	0.00	0.03	0.00	-0.03	-0.01	-0.06	0.03	0.05	-0.01	0.00
10000	-0.04	0.02	-0.05	-0.09	-0.10	-0.16	-0.12	-0.10	-0.15	-0.15
10500	-0.03	0.04	0.01	-0.01	-0.02	-0.10	-0.06	-0.03	-0.09	-0.12
11000	-0.02	0.04	0.05	0.02	0.03	-0.05	0.00	0.02	-0.03	-0.08
11500	-0.01	0.03	0.03	-0.02	-0.01	-0.08	-0.01	0.01	-0.05	-0.08
12000	0.00	0.02	0.00	-0.06	-0.05	-0.13	-0.03	-0.01	-0.07	-0.10
12500	0.00	0.03	0.00	-0.04	-0.05	-0.14	-0.01	-0.01	-0.07	-0.09
12750	0.00	0.04	0.01	-0.02	-0.03	-0.14	0.00	-0.01	-0.07	-0.02
13000	0.01	0.05	0.02	0.00	-0.02	-0.13	0.00	-0.01	-0.08	-0.04
13250	0.01	0.06	0.02	0.02	-0.01	-0.13	-0.01	-0.01	-0.12	-0.14
13500	0.01	0.06	0.03	0.03	0.00	-0.12	-0.02	-0.03	-0.13	-0.15
13750	0.02	0.06	0.03	0.03	0.01	-0.12	-0.03	-0.03	-0.13	-0.17
14000	0.02	0.06	0.03	0.03	0.01	-0.11	-0.03	-0.04	-0.15	-0.16
14250	0.02	0.06	0.04	0.03	0.02	-0.10	-0.01	-0.03	-0.15	-0.17
14500	0.02	0.06	0.05	0.03	0.03	-0.09	0.01	-0.02	-0.14	-0.15
14750	0.02	0.07	0.06	0.04	0.04	-0.08	0.03	0.02	-0.08	-0.08
15000	0.01	0.07	0.06	0.04	0.04	-0.09	0.03	0.03	-0.04	-0.10
15250	0.01	0.08	0.05	0.04	0.03	-0.11	0.01	0.00	-0.09	-0.10
15500	0.00	0.08	0.03	0.02	0.01	-0.14	-0.03	-0.05	-0.11	-0.13
15750	0.00	0.08	0.01	0.01	-0.02	-0.17	-0.08	-0.12	-0.24	-0.18
16000	-0.01	0.08	0.00	0.00	-0.03	-0.20	-0.14	-0.19	-0.28	-0.23
16250	-0.01	0.08	-0.01	-0.01	-0.05	-0.21	-0.17	-0.22	-0.33	-0.32
16500	-0.01	0.08	-0.01	-0.01	-0.05	-0.23	-0.21	-0.26	-0.40	-0.39
16750	-0.01	0.08	-0.01	-0.01	-0.06	-0.24	-0.24	-0.29	-0.47	-0.44
17000	0.00	0.08	-0.01	-0.01	-0.07	-0.25	-0.26	-0.32	-0.47	-0.49
17250	0.00	0.08	-0.01	0.00	-0.06	-0.25	-0.26	-0.32	-0.46	-0.47
17500	0.00	0.09	-0.01	0.02	-0.06	-0.25	-0.25	-0.30	-0.49	-0.50
17750	0.01	0.08	0.00	0.04	-0.04	-0.24	-0.23	-0.29	-0.44	-0.43
18000	0.02	0.08	0.01	0.05	-0.02	-0.22	-0.19	-0.26	-0.38	-0.42

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# Programmable Attenuator

# RCDAT-18G-63

## Typical Performance Data @ 50°C

FREQUENCY (MHz)	Input VSWR (:1)									
	0.25 dB	1 dB	5 dB	10 dB	20 dB	30 dB	40 dB	50 dB	60 dB	63 dB
100	1.54	1.44	1.24	1.06	1.02	1.04	1.06	1.04	1.03	1.07
250	1.44	1.35	1.18	1.02	1.01	1.02	1.03	1.01	1.01	1.04
500	1.35	1.28	1.15	1.01	1.02	1.03	1.03	1.03	1.02	1.04
750	1.22	1.18	1.10	1.01	1.03	1.04	1.03	1.04	1.04	1.05
1000	1.09	1.07	1.05	1.03	1.04	1.05	1.03	1.05	1.04	1.06
1250	1.06	1.02	1.04	1.05	1.05	1.06	1.03	1.06	1.05	1.08
1500	1.12	1.06	1.05	1.06	1.06	1.06	1.03	1.06	1.06	1.08
1750	1.20	1.10	1.06	1.06	1.06	1.07	1.04	1.07	1.06	1.09
2000	1.25	1.13	1.07	1.05	1.06	1.07	1.05	1.07	1.06	1.09
2250	1.28	1.15	1.08	1.05	1.06	1.07	1.05	1.07	1.07	1.10
2500	1.29	1.17	1.09	1.06	1.07	1.07	1.06	1.07	1.07	1.10
2750	1.28	1.18	1.10	1.07	1.07	1.08	1.06	1.07	1.07	1.10
3000	1.25	1.17	1.10	1.08	1.07	1.08	1.06	1.08	1.07	1.10
3250	1.20	1.14	1.09	1.08	1.08	1.08	1.07	1.08	1.08	1.10
3500	1.13	1.10	1.08	1.09	1.08	1.08	1.08	1.08	1.08	1.11
3750	1.08	1.06	1.07	1.09	1.09	1.09	1.09	1.09	1.09	1.11
4000	1.07	1.05	1.08	1.09	1.10	1.10	1.10	1.10	1.10	1.12
4250	1.12	1.09	1.11	1.09	1.11	1.11	1.11	1.11	1.11	1.12
4500	1.19	1.15	1.14	1.11	1.12	1.12	1.12	1.12	1.12	1.13
4750	1.24	1.21	1.18	1.12	1.13	1.13	1.13	1.13	1.13	1.14
5000	1.28	1.25	1.21	1.14	1.14	1.14	1.14	1.14	1.14	1.14
5250	1.31	1.28	1.24	1.15	1.15	1.15	1.15	1.14	1.15	1.15
5500	1.34	1.30	1.26	1.16	1.16	1.15	1.17	1.15	1.16	1.15
6000	1.40	1.32	1.29	1.17	1.17	1.16	1.20	1.16	1.17	1.15
6500	1.47	1.35	1.31	1.18	1.17	1.16	1.20	1.16	1.16	1.14
7000	1.53	1.39	1.31	1.18	1.16	1.16	1.18	1.16	1.16	1.13
7500	1.39	1.28	1.24	1.15	1.14	1.15	1.14	1.14	1.14	1.12
8000	1.11	1.07	1.14	1.12	1.12	1.13	1.13	1.13	1.12	1.11
8500	1.15	1.16	1.15	1.13	1.11	1.12	1.12	1.12	1.11	1.11
9000	1.29	1.26	1.17	1.13	1.11	1.12	1.12	1.12	1.11	1.12
9500	1.26	1.21	1.13	1.12	1.12	1.12	1.11	1.12	1.12	1.13
10000	1.11	1.08	1.03	1.11	1.13	1.14	1.11	1.14	1.14	1.15
10500	1.05	1.10	1.06	1.15	1.16	1.16	1.14	1.16	1.16	1.18
11000	1.06	1.13	1.10	1.17	1.19	1.18	1.17	1.18	1.19	1.20
11500	1.03	1.06	1.10	1.18	1.21	1.20	1.18	1.19	1.21	1.22
12000	1.19	1.11	1.13	1.18	1.22	1.21	1.19	1.20	1.22	1.23
12500	1.38	1.29	1.22	1.20	1.22	1.21	1.20	1.21	1.22	1.23
12750	1.44	1.36	1.26	1.21	1.22	1.21	1.21	1.21	1.22	1.23
13000	1.45	1.38	1.28	1.21	1.22	1.21	1.22	1.21	1.22	1.23
13250	1.42	1.37	1.29	1.21	1.22	1.20	1.22	1.20	1.21	1.22
13500	1.37	1.33	1.28	1.21	1.21	1.20	1.22	1.20	1.21	1.22
13750	1.33	1.30	1.27	1.20	1.20	1.19	1.22	1.20	1.20	1.21
14000	1.33	1.30	1.27	1.20	1.20	1.19	1.22	1.19	1.20	1.21
14250	1.37	1.33	1.28	1.20	1.19	1.19	1.21	1.19	1.19	1.20
14500	1.44	1.39	1.31	1.20	1.19	1.19	1.21	1.19	1.19	1.20
14750	1.51	1.44	1.33	1.20	1.18	1.18	1.21	1.18	1.18	1.19
15000	1.56	1.48	1.34	1.21	1.18	1.18	1.20	1.18	1.17	1.18
15250	1.55	1.48	1.34	1.20	1.16	1.17	1.20	1.17	1.16	1.17
15500	1.51	1.44	1.32	1.19	1.15	1.16	1.19	1.16	1.15	1.16
15750	1.44	1.38	1.29	1.17	1.13	1.14	1.18	1.14	1.13	1.14
16000	1.37	1.32	1.25	1.15	1.11	1.12	1.16	1.13	1.11	1.12
16250	1.31	1.27	1.22	1.12	1.09	1.11	1.13	1.11	1.09	1.10
16500	1.26	1.23	1.19	1.10	1.07	1.09	1.11	1.09	1.07	1.09
16750	1.22	1.20	1.17	1.09	1.06	1.07	1.09	1.08	1.06	1.07
17000	1.19	1.17	1.15	1.08	1.06	1.07	1.07	1.07	1.05	1.07
17250	1.15	1.14	1.14	1.08	1.06	1.07	1.07	1.07	1.06	1.08
17500	1.11	1.11	1.13	1.09	1.08	1.08	1.08	1.08	1.08	1.09
17750	1.09	1.09	1.14	1.10	1.10	1.10	1.09	1.10	1.10	1.12
18000	1.11	1.10	1.17	1.12	1.12	1.13	1.11	1.13	1.12	1.14

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# Programmable Attenuator

# RCDAT-18G-63

## Typical Performance Data @ 50°C

FREQUENCY (MHz)	Output VSWR (:1)									
	0.25 dB	1 dB	5 dB	10 dB	20 dB	30 dB	40 dB	50 dB	60 dB	63 dB
100	1.52	1.56	1.43	1.46	1.38	1.37	1.09	1.09	1.09	1.09
250	1.43	1.47	1.37	1.40	1.33	1.32	1.05	1.05	1.05	1.05
500	1.34	1.39	1.32	1.34	1.30	1.30	1.05	1.05	1.05	1.05
750	1.23	1.27	1.26	1.26	1.26	1.26	1.06	1.06	1.06	1.06
1000	1.11	1.14	1.19	1.18	1.22	1.23	1.06	1.06	1.06	1.06
1250	1.05	1.06	1.14	1.12	1.18	1.19	1.07	1.07	1.07	1.07
1500	1.11	1.07	1.12	1.10	1.15	1.16	1.08	1.08	1.08	1.08
1750	1.19	1.15	1.13	1.12	1.13	1.14	1.08	1.08	1.08	1.08
2000	1.27	1.22	1.16	1.16	1.14	1.14	1.08	1.08	1.08	1.08
2250	1.32	1.27	1.19	1.20	1.15	1.15	1.07	1.07	1.07	1.07
2500	1.34	1.29	1.20	1.23	1.17	1.16	1.07	1.07	1.07	1.07
2750	1.32	1.27	1.20	1.23	1.18	1.17	1.06	1.06	1.06	1.06
3000	1.26	1.22	1.18	1.21	1.18	1.17	1.06	1.06	1.06	1.06
3250	1.18	1.15	1.16	1.17	1.17	1.17	1.06	1.06	1.06	1.06
3500	1.11	1.09	1.13	1.13	1.16	1.16	1.06	1.06	1.06	1.06
3750	1.06	1.05	1.11	1.09	1.14	1.15	1.06	1.06	1.06	1.06
4000	1.08	1.08	1.11	1.08	1.12	1.13	1.07	1.07	1.07	1.07
4250	1.12	1.13	1.12	1.10	1.11	1.12	1.07	1.07	1.07	1.07
4500	1.16	1.16	1.13	1.12	1.11	1.11	1.07	1.07	1.07	1.07
4750	1.17	1.18	1.14	1.16	1.12	1.11	1.07	1.07	1.07	1.07
5000	1.16	1.19	1.15	1.18	1.15	1.14	1.06	1.06	1.06	1.06
5250	1.16	1.19	1.18	1.21	1.19	1.18	1.06	1.06	1.06	1.06
5500	1.18	1.22	1.23	1.23	1.24	1.23	1.05	1.05	1.05	1.05
6000	1.28	1.29	1.32	1.29	1.33	1.34	1.05	1.05	1.05	1.05
6500	1.34	1.33	1.36	1.34	1.36	1.37	1.05	1.05	1.05	1.05
7000	1.36	1.33	1.31	1.32	1.30	1.29	1.07	1.07	1.07	1.07
7500	1.29	1.26	1.20	1.22	1.18	1.17	1.08	1.08	1.08	1.08
8000	1.17	1.15	1.09	1.10	1.07	1.07	1.08	1.08	1.08	1.08
8500	1.09	1.10	1.04	1.05	1.02	1.01	1.08	1.08	1.08	1.08
9000	1.11	1.13	1.08	1.08	1.05	1.05	1.08	1.08	1.08	1.08
9500	1.17	1.19	1.13	1.13	1.10	1.09	1.08	1.08	1.08	1.08
10000	1.18	1.20	1.14	1.15	1.12	1.11	1.09	1.09	1.09	1.09
10500	1.15	1.17	1.14	1.16	1.14	1.13	1.11	1.11	1.11	1.11
11000	1.06	1.09	1.12	1.14	1.14	1.14	1.12	1.12	1.12	1.12
11500	1.09	1.09	1.10	1.08	1.10	1.11	1.12	1.12	1.12	1.12
12000	1.18	1.17	1.15	1.15	1.14	1.13	1.11	1.11	1.11	1.11
12500	1.26	1.26	1.25	1.28	1.26	1.25	1.10	1.10	1.10	1.10
12750	1.29	1.29	1.29	1.31	1.30	1.29	1.09	1.09	1.09	1.09
13000	1.31	1.31	1.31	1.33	1.32	1.32	1.08	1.08	1.08	1.08
13250	1.31	1.30	1.31	1.31	1.32	1.32	1.08	1.08	1.08	1.08
13500	1.29	1.28	1.30	1.28	1.30	1.31	1.07	1.07	1.07	1.07
13750	1.27	1.25	1.27	1.25	1.27	1.28	1.07	1.07	1.07	1.07
14000	1.24	1.24	1.25	1.23	1.25	1.25	1.06	1.06	1.06	1.06
14250	1.23	1.24	1.24	1.23	1.23	1.24	1.06	1.06	1.06	1.06
14500	1.24	1.26	1.25	1.25	1.24	1.24	1.06	1.06	1.06	1.06
14750	1.27	1.29	1.27	1.29	1.27	1.26	1.06	1.06	1.06	1.06
15000	1.31	1.33	1.30	1.32	1.30	1.29	1.07	1.07	1.06	1.06
15250	1.33	1.34	1.32	1.34	1.32	1.31	1.07	1.07	1.07	1.07
15500	1.32	1.33	1.33	1.34	1.33	1.33	1.07	1.06	1.06	1.06
15750	1.29	1.30	1.32	1.33	1.33	1.34	1.06	1.06	1.06	1.06
16000	1.27	1.27	1.30	1.30	1.31	1.32	1.06	1.06	1.06	1.06
16250	1.25	1.24	1.28	1.26	1.29	1.30	1.06	1.06	1.06	1.06
16500	1.24	1.23	1.26	1.23	1.26	1.27	1.05	1.05	1.05	1.05
16750	1.23	1.22	1.23	1.20	1.23	1.24	1.05	1.05	1.05	1.05
17000	1.21	1.21	1.20	1.18	1.19	1.20	1.05	1.05	1.05	1.05
17250	1.18	1.18	1.17	1.15	1.15	1.16	1.06	1.06	1.06	1.06
17500	1.13	1.13	1.11	1.11	1.10	1.10	1.08	1.08	1.08	1.08
17750	1.07	1.08	1.06	1.06	1.05	1.05	1.10	1.10	1.10	1.10
18000	1.05	1.07	1.06	1.05	1.06	1.06	1.12	1.12	1.12	1.12

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# Programmable Attenuator

# RCDAT-18G-63

## Typical Performance Data @ 50°C

FREQUENCY (MHz)	I. Loss (dB)
100	3.33
250	3.44
500	3.63
750	3.81
1000	3.99
1250	4.10
1500	4.16
1750	4.18
2000	4.19
2250	4.23
2500	4.31
2750	4.41
3000	4.53
3250	4.63
3500	4.72
3750	4.78
4000	4.82
4250	4.86
4500	4.92
4750	4.98
5000	5.07
5250	5.14
5500	5.21
6000	5.34
6500	5.43
7000	5.47
7500	5.52
8000	5.73
8500	6.03
9000	6.13
9500	6.04
10000	6.00
10500	6.19
11000	6.42
11500	6.57
12000	6.71
12500	6.85
12750	6.92
13000	6.98
13250	7.03
13500	7.07
13750	7.12
14000	7.18
14250	7.26
14500	7.35
14750	7.43
15000	7.51
15250	7.56
15500	7.58
15750	7.60
16000	7.62
16250	7.64
16500	7.68
16750	7.73
17000	7.79
17250	7.88
17500	7.99
17750	8.11
18000	8.28

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