

Programmable Attenuator

RC8DAT-8G-95

Typical Performance Data @ 0°C

FREQUENCY (MHz)	Attenuation relative to Insertion Loss (dB)									
	0.25 dB	1 dB	5 dB	10 dB	20 dB	40 dB	60 dB	80 dB	90 dB	95 dB
1	0.31	1.10	5.29	10.25	19.92	39.60	58.67	77.83	86.83	91.69
5	0.31	1.10	5.29	10.25	19.92	39.59	58.60	77.92	87.21	91.66
10	0.31	1.10	5.29	10.25	19.92	39.60	58.62	77.85	87.21	91.93
20	0.31	1.10	5.29	10.24	19.91	39.59	58.61	77.85	87.20	92.02
50	0.31	1.10	5.28	10.23	19.90	39.58	58.60	77.82	87.23	92.00
100	0.30	1.09	5.27	10.22	19.89	39.56	58.58	77.79	87.16	91.96
200	0.30	1.08	5.24	10.18	19.84	39.51	58.53	77.74	87.12	91.92
300	0.30	1.07	5.20	10.13	19.78	39.45	58.47	77.65	87.07	91.93
500	0.29	1.04	5.08	9.97	19.62	39.29	58.31	77.52	86.87	91.77
700	0.28	1.01	4.97	9.84	19.48	39.15	58.17	77.42	86.81	91.47
900	0.27	0.99	4.92	9.77	19.40	39.08	58.12	77.37	86.77	91.49
1000	0.27	0.99	4.91	9.75	19.39	39.08	58.11	77.38	86.72	91.58
1200	0.27	0.99	4.92	9.76	19.40	39.09	58.14	77.43	86.86	91.59
1400	0.27	1.00	4.94	9.78	19.42	39.12	58.20	77.52	86.96	91.70
1500	0.26	1.00	4.94	9.78	19.43	39.13	58.21	77.54	86.94	91.72
1600	0.26	1.00	4.95	9.78	19.43	39.14	58.22	77.57	86.98	91.70
1800	0.26	1.01	4.95	9.78	19.43	39.15	58.26	77.63	87.11	91.93
2000	0.26	1.01	4.96	9.78	19.44	39.18	58.31	77.77	87.18	91.98
2100	0.26	1.01	4.97	9.79	19.46	39.20	58.34	77.83	87.28	92.13
2200	0.26	1.01	4.99	9.81	19.48	39.23	58.39	77.88	87.42	92.18
2400	0.26	1.02	5.02	9.85	19.54	39.31	58.51	78.08	87.63	92.68
2500	0.26	1.03	5.04	9.87	19.57	39.35	58.55	78.15	87.73	92.74
2700	0.27	1.04	5.08	9.92	19.64	39.44	58.69	78.36	87.90	92.85
2800	0.27	1.04	5.09	9.94	19.68	39.49	58.75	78.49	88.17	92.72
3000	0.27	1.05	5.13	9.99	19.75	39.59	58.89	78.71	88.29	93.15
3100	0.27	1.05	5.14	10.00	19.78	39.64	58.96	78.82	88.52	93.27
3300	0.28	1.06	5.17	10.05	19.86	39.75	59.12	78.99	88.70	93.73
3400	0.28	1.06	5.18	10.06	19.89	39.80	59.20	79.14	88.87	93.72
3600	0.28	1.05	5.19	10.07	19.93	39.88	59.32	79.41	89.01	94.35
3700	0.28	1.04	5.18	10.07	19.94	39.91	59.38	79.52	89.40	94.68
3900	0.28	1.03	5.15	10.05	19.94	39.97	59.49	79.80	89.48	94.59
4000	0.28	1.02	5.14	10.03	19.94	39.99	59.55	79.87	89.47	94.66
4200	0.28	1.01	5.11	9.99	19.94	40.04	59.70	80.05	89.95	94.86
4300	0.28	1.01	5.10	9.98	19.94	40.07	59.76	80.17	90.03	95.07
4500	0.28	1.01	5.09	9.98	19.97	40.17	59.91	80.50	90.59	95.74
4600	0.27	1.01	5.10	9.99	20.00	40.23	60.01	80.61	90.71	95.77
4800	0.27	1.02	5.11	10.01	20.05	40.34	60.21	80.98	90.88	95.87
4900	0.27	1.02	5.12	10.01	20.08	40.40	60.32	81.15	91.24	96.79
5100	0.27	1.03	5.13	10.03	20.12	40.50	60.47	81.34	91.54	96.93
5200	0.27	1.03	5.13	10.03	20.15	40.55	60.57	81.46	91.71	96.84
5400	0.27	1.03	5.15	10.06	20.21	40.67	60.74	81.80	91.75	96.92
5500	0.28	1.04	5.17	10.09	20.25	40.74	60.84	81.82	91.85	97.00
5700	0.29	1.05	5.23	10.17	20.38	40.90	61.06	82.05	92.12	97.26
5800	0.29	1.06	5.26	10.22	20.44	40.98	61.11	82.21	92.25	97.07
6000	0.31	1.08	5.33	10.31	20.56	41.12	61.32	82.32	92.70	98.17
6100	0.32	1.08	5.35	10.34	20.61	41.18	61.39	82.36	92.56	97.97
6300	0.33	1.07	5.35	10.35	20.64	41.24	61.38	82.31	92.59	97.87
6400	0.33	1.06	5.33	10.33	20.63	41.23	61.38	82.27	92.46	98.06
6600	0.33	1.04	5.26	10.26	20.57	41.19	61.34	82.15	92.06	97.01
6700	0.33	1.03	5.23	10.23	20.54	41.17	61.29	81.99	91.91	96.83
6900	0.32	1.02	5.19	10.17	20.50	41.16	61.19	81.73	91.84	97.98
7000	0.31	1.02	5.19	10.17	20.51	41.18	61.16	81.57	91.79	97.55
7200	0.31	1.03	5.22	10.21	20.57	41.28	61.15	81.50	91.45	96.41
7300	0.31	1.03	5.24	10.23	20.61	41.33	61.12	81.30	91.32	96.36
7500	0.31	1.04	5.28	10.28	20.69	41.44	61.09	81.06	90.72	95.71
7600	0.31	1.04	5.29	10.29	20.71	41.49	61.06	80.88	90.86	95.62
7800	0.31	1.05	5.32	10.32	20.77	41.55	60.98	80.43	90.59	95.33
7900	0.31	1.06	5.35	10.36	20.81	41.59	60.93	80.10	90.00	95.10
8000	0.32	1.07	5.39	10.41	20.87	41.65	60.89	79.91	89.52	94.62

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/MC1Store/terms.jsp



Programmable Attenuator

RC8DAT-8G-95

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	40 dB	60 dB	80 dB	90 dB	95 dB
1	-0.06	-0.10	-0.29	-0.25	0.08	0.40	1.33	2.17	3.18	3.31
5	-0.06	-0.10	-0.29	-0.25	0.08	0.42	1.40	2.08	2.79	3.34
10	-0.06	-0.10	-0.29	-0.25	0.08	0.40	1.39	2.16	2.80	3.08
20	-0.06	-0.10	-0.29	-0.24	0.09	0.41	1.39	2.15	2.80	2.98
50	-0.06	-0.10	-0.28	-0.23	0.10	0.42	1.40	2.18	2.77	3.00
100	-0.05	-0.09	-0.27	-0.22	0.11	0.44	1.42	2.21	2.84	3.04
200	-0.05	-0.08	-0.24	-0.18	0.16	0.49	1.47	2.26	2.88	3.08
300	-0.05	-0.07	-0.20	-0.13	0.22	0.55	1.53	2.35	2.93	3.07
500	-0.04	-0.04	-0.08	0.03	0.38	0.71	1.69	2.48	3.13	3.23
700	-0.03	-0.01	0.03	0.16	0.52	0.85	1.83	2.58	3.19	3.53
900	-0.02	0.01	0.08	0.23	0.60	0.92	1.88	2.63	3.23	3.51
1000	-0.02	0.01	0.09	0.25	0.61	0.92	1.89	2.62	3.28	3.42
1200	-0.02	0.01	0.08	0.24	0.60	0.91	1.86	2.57	3.14	3.41
1400	-0.01	0.00	0.06	0.22	0.58	0.88	1.81	2.49	3.04	3.30
1500	-0.01	0.00	0.06	0.22	0.57	0.87	1.79	2.46	3.06	3.28
1600	-0.01	0.00	0.05	0.22	0.57	0.86	1.78	2.43	3.02	3.30
1800	-0.01	0.00	0.05	0.22	0.57	0.85	1.74	2.37	2.89	3.07
2000	-0.01	-0.01	0.04	0.22	0.56	0.82	1.69	2.24	2.82	3.02
2100	-0.01	-0.01	0.03	0.21	0.54	0.80	1.66	2.17	2.72	2.87
2200	-0.01	-0.01	0.01	0.19	0.52	0.77	1.61	2.12	2.58	2.82
2400	-0.01	-0.02	-0.02	0.15	0.47	0.69	1.49	1.92	2.37	2.32
2500	-0.01	-0.03	-0.04	0.13	0.43	0.65	1.45	1.85	2.27	2.26
2700	-0.02	-0.04	-0.08	0.09	0.36	0.56	1.31	1.64	2.10	2.15
2800	-0.02	-0.04	-0.09	0.06	0.33	0.51	1.25	1.51	1.83	2.28
3000	-0.02	-0.05	-0.13	0.02	0.25	0.41	1.11	1.29	1.71	1.85
3100	-0.02	-0.05	-0.14	0.00	0.22	0.36	1.04	1.18	1.48	1.74
3300	-0.03	-0.06	-0.17	-0.05	0.14	0.25	0.88	1.01	1.30	1.27
3400	-0.03	-0.06	-0.18	-0.06	0.11	0.20	0.80	0.86	1.13	1.29
3600	-0.03	-0.05	-0.18	-0.07	0.07	0.12	0.68	0.59	0.99	0.65
3700	-0.03	-0.04	-0.18	-0.07	0.06	0.09	0.62	0.48	0.60	0.32
3900	-0.03	-0.03	-0.15	-0.05	0.06	0.03	0.51	0.20	0.52	0.41
4000	-0.03	-0.02	-0.14	-0.03	0.06	0.01	0.45	0.13	0.53	0.34
4200	-0.03	-0.01	-0.11	0.01	0.07	-0.04	0.30	-0.05	0.05	0.14
4300	-0.03	-0.01	-0.10	0.02	0.06	-0.07	0.25	-0.17	-0.03	-0.07
4500	-0.03	-0.01	-0.09	0.02	0.03	-0.17	0.09	-0.49	-0.59	-0.74
4600	-0.02	-0.01	-0.10	0.01	0.00	-0.23	-0.01	-0.61	-0.71	-0.77
4800	-0.02	-0.02	-0.11	-0.01	-0.05	-0.34	-0.21	-0.98	-0.88	-0.87
4900	-0.02	-0.02	-0.12	-0.01	-0.08	-0.40	-0.32	-1.15	-1.24	-1.79
5100	-0.02	-0.03	-0.13	-0.03	-0.12	-0.50	-0.47	-1.33	-1.54	-1.93
5200	-0.02	-0.03	-0.13	-0.03	-0.15	-0.55	-0.57	-1.46	-1.71	-1.84
5400	-0.02	-0.03	-0.15	-0.06	-0.21	-0.67	-0.74	-1.80	-1.75	-1.92
5500	-0.03	-0.04	-0.17	-0.09	-0.25	-0.74	-0.84	-1.82	-1.85	-2.00
5700	-0.04	-0.05	-0.23	-0.17	-0.38	-0.90	-1.06	-2.05	-2.12	-2.26
5800	-0.04	-0.06	-0.26	-0.22	-0.44	-0.98	-1.11	-2.21	-2.25	-2.07
6000	-0.06	-0.08	-0.32	-0.31	-0.56	-1.12	-1.32	-2.32	-2.70	-3.17
6100	-0.07	-0.08	-0.35	-0.34	-0.61	-1.18	-1.39	-2.36	-2.56	-2.97
6300	-0.08	-0.07	-0.34	-0.35	-0.64	-1.24	-1.38	-2.31	-2.59	-2.87
6400	-0.08	-0.06	-0.32	-0.33	-0.63	-1.23	-1.38	-2.26	-2.46	-3.06
6600	-0.08	-0.04	-0.26	-0.26	-0.57	-1.19	-1.33	-2.15	-2.06	-2.00
6700	-0.07	-0.03	-0.23	-0.23	-0.54	-1.17	-1.29	-1.99	-1.91	-1.83
6900	-0.07	-0.02	-0.19	-0.17	-0.50	-1.16	-1.19	-1.73	-1.84	-2.98
7000	-0.06	-0.02	-0.19	-0.17	-0.51	-1.18	-1.16	-1.57	-1.79	-2.55
7200	-0.06	-0.03	-0.22	-0.21	-0.57	-1.28	-1.15	-1.50	-1.45	-1.41
7300	-0.06	-0.03	-0.24	-0.23	-0.61	-1.33	-1.12	-1.29	-1.32	-1.36
7500	-0.06	-0.04	-0.28	-0.28	-0.69	-1.44	-1.09	-1.06	-0.72	-0.71
7600	-0.06	-0.04	-0.29	-0.29	-0.71	-1.49	-1.06	-0.88	-0.86	-0.62
7800	-0.06	-0.05	-0.32	-0.32	-0.77	-1.55	-0.98	-0.43	-0.59	-0.33
7900	-0.06	-0.06	-0.34	-0.36	-0.81	-1.59	-0.93	-0.10	0.00	-0.10
8000	-0.07	-0.07	-0.39	-0.41	-0.87	-1.65	-0.89	0.09	0.48	0.38

Notes

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- 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/MC1Store/terms.jsp



Programmable Attenuator

RC8DAT-8G-95

Typical Performance Data @ 0°C

FREQUENCY (MHz)	Input VSWR (:1)									
	0.25 dB	1 dB	5 dB	10 dB	20 dB	40 dB	60 dB	80 dB	90 dB	95 dB
1	1.66	1.54	1.34	1.20	1.16	1.10	1.07	1.05	1.05	1.05
5	1.64	1.53	1.33	1.19	1.15	1.09	1.05	1.03	1.03	1.03
10	1.64	1.53	1.33	1.19	1.15	1.09	1.05	1.03	1.03	1.03
20	1.64	1.53	1.33	1.19	1.15	1.09	1.05	1.03	1.03	1.03
50	1.64	1.53	1.33	1.19	1.16	1.09	1.05	1.02	1.02	1.02
100	1.63	1.52	1.33	1.19	1.16	1.10	1.06	1.02	1.02	1.02
200	1.59	1.49	1.32	1.19	1.16	1.10	1.06	1.01	1.01	1.01
300	1.52	1.43	1.30	1.18	1.16	1.10	1.06	1.01	1.01	1.01
500	1.35	1.29	1.23	1.15	1.15	1.09	1.05	1.02	1.02	1.02
700	1.20	1.17	1.18	1.14	1.15	1.10	1.06	1.02	1.03	1.02
900	1.08	1.08	1.16	1.14	1.16	1.10	1.06	1.02	1.03	1.02
1000	1.06	1.08	1.16	1.14	1.16	1.10	1.07	1.02	1.03	1.02
1200	1.12	1.15	1.18	1.15	1.17	1.11	1.07	1.02	1.04	1.03
1400	1.17	1.19	1.19	1.15	1.17	1.11	1.08	1.02	1.04	1.03
1500	1.18	1.20	1.19	1.15	1.17	1.11	1.08	1.03	1.05	1.03
1600	1.18	1.20	1.19	1.15	1.17	1.11	1.08	1.03	1.05	1.03
1800	1.15	1.17	1.17	1.15	1.18	1.11	1.08	1.03	1.06	1.04
2000	1.12	1.14	1.16	1.15	1.18	1.11	1.09	1.04	1.06	1.04
2100	1.12	1.14	1.16	1.15	1.18	1.12	1.09	1.04	1.07	1.04
2200	1.14	1.14	1.16	1.16	1.18	1.12	1.09	1.04	1.07	1.04
2400	1.20	1.18	1.18	1.17	1.18	1.12	1.09	1.04	1.07	1.05
2500	1.24	1.21	1.20	1.18	1.18	1.12	1.10	1.04	1.07	1.04
2700	1.32	1.28	1.24	1.19	1.19	1.12	1.10	1.04	1.07	1.05
2800	1.35	1.31	1.26	1.20	1.19	1.12	1.10	1.03	1.06	1.04
3000	1.40	1.36	1.29	1.21	1.19	1.12	1.09	1.03	1.06	1.03
3100	1.42	1.37	1.30	1.21	1.18	1.11	1.09	1.02	1.06	1.03
3300	1.42	1.38	1.31	1.21	1.18	1.11	1.09	1.02	1.05	1.02
3400	1.41	1.37	1.31	1.21	1.18	1.10	1.09	1.01	1.05	1.02
3600	1.34	1.31	1.28	1.20	1.18	1.10	1.08	1.00	1.04	1.01
3700	1.29	1.27	1.26	1.19	1.17	1.09	1.08	1.01	1.04	1.00
3900	1.18	1.18	1.21	1.16	1.16	1.09	1.07	1.02	1.04	1.01
4000	1.12	1.13	1.18	1.15	1.16	1.08	1.07	1.03	1.05	1.02
4200	1.04	1.07	1.14	1.13	1.15	1.08	1.07	1.05	1.06	1.04
4300	1.05	1.07	1.12	1.12	1.14	1.07	1.07	1.06	1.07	1.05
4500	1.10	1.10	1.10	1.11	1.12	1.06	1.07	1.08	1.09	1.07
4600	1.11	1.11	1.09	1.10	1.11	1.06	1.07	1.09	1.10	1.08
4800	1.11	1.11	1.07	1.08	1.09	1.06	1.07	1.11	1.13	1.10
4900	1.09	1.09	1.06	1.07	1.07	1.07	1.07	1.12	1.14	1.11
5100	1.06	1.05	1.03	1.06	1.05	1.08	1.08	1.14	1.17	1.14
5200	1.04	1.03	1.02	1.05	1.04	1.08	1.08	1.15	1.18	1.14
5400	1.05	1.04	1.03	1.06	1.04	1.11	1.10	1.18	1.20	1.17
5500	1.06	1.05	1.04	1.05	1.04	1.11	1.10	1.19	1.22	1.18
5700	1.08	1.06	1.05	1.06	1.06	1.14	1.13	1.22	1.25	1.21
5800	1.07	1.06	1.05	1.06	1.07	1.16	1.14	1.24	1.27	1.22
6000	1.05	1.03	1.05	1.07	1.09	1.19	1.16	1.27	1.31	1.26
6100	1.03	1.01	1.04	1.08	1.11	1.20	1.18	1.29	1.33	1.28
6300	1.08	1.06	1.06	1.11	1.14	1.24	1.21	1.33	1.38	1.32
6400	1.13	1.11	1.08	1.12	1.15	1.26	1.23	1.36	1.40	1.34
6600	1.22	1.19	1.14	1.16	1.18	1.29	1.26	1.41	1.46	1.39
6700	1.26	1.23	1.16	1.18	1.20	1.31	1.28	1.43	1.49	1.42
6900	1.31	1.28	1.22	1.22	1.23	1.36	1.32	1.50	1.56	1.48
7000	1.31	1.29	1.24	1.24	1.25	1.38	1.34	1.53	1.60	1.51
7200	1.30	1.29	1.28	1.27	1.28	1.41	1.38	1.59	1.67	1.57
7300	1.30	1.29	1.30	1.29	1.30	1.43	1.40	1.61	1.70	1.59
7500	1.35	1.36	1.39	1.34	1.35	1.47	1.43	1.67	1.77	1.65
7600	1.41	1.41	1.44	1.37	1.38	1.48	1.45	1.69	1.80	1.67
7800	1.53	1.54	1.55	1.45	1.44	1.51	1.48	1.74	1.85	1.72
7900	1.58	1.59	1.61	1.49	1.48	1.52	1.49	1.76	1.88	1.74
8000	1.62	1.64	1.67	1.54	1.52	1.54	1.50	1.78	1.90	1.76

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Programmable Attenuator

RC8DAT-8G-95

Typical Performance Data @ 0°C

FREQUENCY (MHz)	Output VSWR (:1)									
	0.25 dB	1 dB	5 dB	10 dB	20 dB	40 dB	60 dB	80 dB	90 dB	95 dB
1	1.65	1.60	1.27	1.17	1.06	1.14	1.08	1.08	1.12	1.14
5	1.64	1.59	1.26	1.16	1.03	1.13	1.06	1.06	1.11	1.13
10	1.64	1.59	1.26	1.16	1.03	1.13	1.06	1.06	1.11	1.13
20	1.64	1.59	1.26	1.16	1.03	1.12	1.06	1.06	1.11	1.13
50	1.64	1.59	1.26	1.16	1.02	1.12	1.06	1.06	1.10	1.12
100	1.63	1.58	1.26	1.17	1.02	1.11	1.05	1.05	1.09	1.12
200	1.58	1.54	1.25	1.16	1.02	1.11	1.05	1.05	1.09	1.11
300	1.52	1.48	1.22	1.15	1.02	1.11	1.06	1.06	1.10	1.12
500	1.39	1.37	1.19	1.14	1.01	1.11	1.05	1.05	1.09	1.11
700	1.24	1.24	1.15	1.14	1.02	1.11	1.05	1.05	1.09	1.11
900	1.12	1.14	1.14	1.15	1.02	1.10	1.05	1.05	1.09	1.11
1000	1.09	1.11	1.15	1.16	1.03	1.10	1.05	1.05	1.09	1.10
1200	1.11	1.13	1.20	1.20	1.04	1.09	1.05	1.05	1.08	1.09
1400	1.17	1.17	1.23	1.23	1.05	1.07	1.05	1.05	1.07	1.08
1500	1.19	1.18	1.25	1.24	1.06	1.07	1.05	1.05	1.07	1.08
1600	1.20	1.18	1.25	1.25	1.07	1.06	1.05	1.05	1.06	1.07
1800	1.17	1.16	1.25	1.25	1.08	1.06	1.05	1.05	1.06	1.07
2000	1.12	1.11	1.23	1.25	1.09	1.05	1.05	1.05	1.06	1.06
2100	1.11	1.10	1.23	1.25	1.09	1.05	1.05	1.05	1.05	1.05
2200	1.12	1.12	1.23	1.25	1.09	1.04	1.05	1.05	1.05	1.04
2400	1.21	1.21	1.24	1.25	1.10	1.03	1.04	1.04	1.04	1.03
2500	1.28	1.27	1.25	1.26	1.10	1.02	1.04	1.04	1.03	1.03
2700	1.40	1.39	1.29	1.27	1.10	1.02	1.04	1.04	1.03	1.01
2800	1.46	1.45	1.31	1.27	1.10	1.01	1.04	1.04	1.02	1.01
3000	1.54	1.52	1.33	1.28	1.09	1.01	1.03	1.03	1.02	1.01
3100	1.55	1.53	1.33	1.28	1.09	1.02	1.03	1.03	1.01	1.02
3300	1.52	1.51	1.32	1.27	1.09	1.04	1.04	1.04	1.03	1.04
3400	1.47	1.48	1.30	1.26	1.08	1.05	1.05	1.05	1.03	1.05
3600	1.36	1.38	1.26	1.24	1.08	1.07	1.07	1.07	1.05	1.07
3700	1.29	1.32	1.23	1.22	1.08	1.08	1.08	1.08	1.06	1.08
3900	1.17	1.20	1.19	1.20	1.09	1.10	1.10	1.10	1.09	1.10
4000	1.13	1.16	1.17	1.19	1.09	1.11	1.11	1.11	1.10	1.12
4200	1.09	1.10	1.16	1.18	1.09	1.13	1.14	1.14	1.12	1.14
4300	1.09	1.09	1.15	1.17	1.09	1.14	1.15	1.15	1.13	1.15
4500	1.10	1.08	1.14	1.15	1.08	1.16	1.17	1.17	1.16	1.17
4600	1.09	1.07	1.13	1.14	1.08	1.16	1.18	1.18	1.17	1.18
4800	1.06	1.05	1.10	1.11	1.08	1.18	1.20	1.20	1.19	1.19
4900	1.05	1.04	1.09	1.10	1.07	1.19	1.21	1.21	1.20	1.20
5100	1.05	1.05	1.08	1.08	1.08	1.20	1.23	1.23	1.22	1.22
5200	1.05	1.05	1.07	1.08	1.09	1.21	1.24	1.24	1.23	1.22
5400	1.06	1.06	1.08	1.09	1.12	1.23	1.26	1.26	1.25	1.24
5500	1.05	1.05	1.09	1.10	1.14	1.23	1.27	1.27	1.26	1.25
5700	1.01	1.02	1.12	1.14	1.17	1.25	1.29	1.29	1.28	1.27
5800	1.03	1.02	1.14	1.16	1.19	1.26	1.30	1.30	1.29	1.28
6000	1.13	1.11	1.20	1.21	1.24	1.29	1.32	1.32	1.32	1.30
6100	1.19	1.17	1.23	1.23	1.26	1.30	1.33	1.33	1.33	1.31
6300	1.33	1.30	1.32	1.30	1.31	1.33	1.36	1.36	1.36	1.34
6400	1.41	1.38	1.37	1.33	1.34	1.34	1.37	1.37	1.38	1.35
6600	1.55	1.51	1.46	1.40	1.39	1.37	1.39	1.39	1.41	1.38
6700	1.59	1.57	1.49	1.43	1.42	1.39	1.40	1.40	1.43	1.40
6900	1.64	1.63	1.55	1.48	1.47	1.43	1.42	1.42	1.47	1.43
7000	1.63	1.63	1.56	1.50	1.48	1.44	1.42	1.42	1.48	1.45
7200	1.59	1.61	1.57	1.53	1.51	1.47	1.43	1.43	1.51	1.47
7300	1.58	1.60	1.56	1.54	1.52	1.48	1.42	1.42	1.52	1.48
7500	1.60	1.63	1.57	1.57	1.53	1.49	1.41	1.41	1.53	1.49
7600	1.64	1.66	1.59	1.58	1.53	1.49	1.40	1.40	1.53	1.49
7800	1.71	1.72	1.63	1.62	1.55	1.50	1.38	1.38	1.53	1.49
7900	1.72	1.72	1.64	1.64	1.55	1.49	1.36	1.36	1.52	1.49
8000	1.70	1.71	1.65	1.66	1.56	1.49	1.34	1.34	1.51	1.48

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Programmable Attenuator

RC8DAT-8G-95

Typical Performance Data @ 0°C

FREQUENCY (MHz)	IP3 (dBm)
1	39.75
5	51.01
10	53.85
50	55.65
100	55.58
250	55.37
500	54.24
750	54.03
1000	52.25
2000	55.33
3000	57.43
4000	54.97
5000	55.67
6000	54.82
7000	54.53
8000	47.01

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Programmable Attenuator

RC8DAT-8G-95

Typical Performance Data @ 25°C

FREQUENCY (MHz)	Attenuation relative to Insertion Loss (dB)									
	0.25 dB	1 dB	5 dB	10 dB	20 dB	40 dB	60 dB	80 dB	90 dB	95 dB
1	0.30	1.09	5.26	10.19	19.83	39.43	58.44	77.79	86.85	91.94
5	0.30	1.09	5.26	10.18	19.82	39.43	58.44	77.54	86.83	92.24
10	0.30	1.09	5.26	10.18	19.83	39.43	58.44	77.63	87.03	91.66
20	0.30	1.09	5.26	10.18	19.82	39.43	58.44	77.62	86.91	91.67
50	0.30	1.09	5.25	10.17	19.82	39.42	58.43	77.62	86.89	91.72
100	0.30	1.08	5.25	10.16	19.80	39.41	58.41	77.60	86.92	91.73
200	0.30	1.07	5.21	10.12	19.76	39.36	58.36	77.55	86.88	91.64
300	0.29	1.06	5.16	10.06	19.68	39.28	58.29	77.47	86.78	91.45
500	0.28	1.02	5.04	9.90	19.51	39.11	58.12	77.31	86.62	91.38
700	0.27	1.00	4.95	9.78	19.38	38.97	57.97	77.17	86.60	91.25
900	0.27	0.98	4.90	9.71	19.30	38.90	57.91	77.14	86.46	91.29
1000	0.26	0.98	4.89	9.70	19.30	38.89	57.91	77.14	86.48	91.27
1200	0.26	0.99	4.91	9.72	19.31	38.91	57.93	77.20	86.58	91.32
1400	0.26	1.00	4.93	9.74	19.34	38.95	57.97	77.25	86.61	91.46
1500	0.26	1.00	4.94	9.74	19.34	38.96	58.00	77.33	86.75	91.45
1600	0.26	1.00	4.94	9.74	19.34	38.96	58.01	77.39	86.71	91.48
1800	0.26	1.00	4.94	9.74	19.35	38.98	58.06	77.45	86.87	91.57
2000	0.26	1.00	4.95	9.74	19.36	39.01	58.11	77.57	86.98	91.78
2100	0.26	1.01	4.96	9.75	19.38	39.04	58.17	77.62	87.00	91.99
2200	0.26	1.01	4.97	9.76	19.40	39.06	58.21	77.68	87.12	92.01
2400	0.26	1.02	5.00	9.80	19.45	39.14	58.32	77.88	87.47	92.23
2500	0.26	1.02	5.02	9.82	19.49	39.19	58.38	77.97	87.45	92.36
2700	0.26	1.03	5.05	9.86	19.56	39.29	58.52	78.19	87.67	92.55
2800	0.26	1.04	5.07	9.89	19.60	39.34	58.60	78.34	87.87	92.86
3000	0.27	1.04	5.11	9.94	19.67	39.44	58.75	78.55	88.27	93.09
3100	0.27	1.04	5.12	9.96	19.71	39.49	58.83	78.70	88.38	93.13
3300	0.27	1.05	5.15	10.00	19.78	39.60	59.02	78.92	88.52	93.66
3400	0.28	1.05	5.16	10.01	19.81	39.65	59.09	79.07	88.57	93.75
3600	0.28	1.04	5.16	10.02	19.85	39.72	59.22	79.30	88.87	94.08
3700	0.28	1.03	5.15	10.02	19.85	39.75	59.27	79.40	89.12	94.21
3900	0.28	1.02	5.13	9.99	19.85	39.79	59.38	79.68	89.55	94.40
4000	0.28	1.01	5.11	9.97	19.84	39.81	59.43	79.77	89.72	94.83
4200	0.28	1.00	5.08	9.94	19.84	39.85	59.57	80.10	90.01	94.77
4300	0.27	1.00	5.08	9.94	19.84	39.88	59.64	80.20	90.25	94.73
4500	0.27	1.00	5.08	9.94	19.88	39.98	59.82	80.49	90.30	95.77
4600	0.27	1.01	5.08	9.95	19.90	40.03	59.91	80.68	90.43	95.61
4800	0.27	1.02	5.10	9.97	19.96	40.15	60.13	81.02	91.06	96.08
4900	0.27	1.02	5.11	9.97	19.99	40.20	60.23	81.15	91.10	96.16
5100	0.27	1.02	5.11	9.98	20.03	40.31	60.42	81.40	91.27	96.79
5200	0.27	1.03	5.12	9.99	20.06	40.36	60.50	81.52	91.60	97.17
5400	0.27	1.03	5.13	10.02	20.12	40.49	60.68	81.80	92.05	96.91
5500	0.27	1.03	5.15	10.04	20.17	40.56	60.80	81.99	92.07	96.89
5700	0.28	1.05	5.21	10.13	20.30	40.73	61.02	82.16	92.17	97.21
5800	0.29	1.06	5.25	10.18	20.37	40.82	61.12	82.33	92.34	97.79
6000	0.30	1.07	5.31	10.27	20.50	40.98	61.35	82.55	92.75	97.78
6100	0.31	1.07	5.33	10.31	20.54	41.03	61.39	82.59	92.89	98.25
6300	0.32	1.07	5.33	10.31	20.57	41.08	61.47	82.56	92.73	98.17
6400	0.32	1.06	5.30	10.29	20.55	41.08	61.47	82.46	92.73	97.97
6600	0.32	1.04	5.24	10.21	20.49	41.03	61.40	82.44	92.52	97.52
6700	0.32	1.03	5.21	10.17	20.46	41.01	61.35	82.33	92.32	97.95
6900	0.31	1.01	5.18	10.13	20.43	41.00	61.29	82.06	92.43	97.55
7000	0.31	1.01	5.18	10.13	20.44	41.03	61.30	82.01	92.13	97.24
7200	0.31	1.02	5.21	10.17	20.50	41.12	61.29	81.80	91.61	97.27
7300	0.31	1.03	5.23	10.20	20.55	41.19	61.31	81.74	91.77	96.60
7500	0.31	1.04	5.27	10.25	20.62	41.29	61.27	81.43	91.46	96.47
7600	0.31	1.04	5.29	10.27	20.65	41.33	61.21	81.22	91.23	96.43
7800	0.31	1.05	5.32	10.30	20.71	41.40	61.16	80.83	90.55	96.16
7900	0.31	1.06	5.34	10.34	20.75	41.45	61.10	80.69	90.55	94.89
8000	0.32	1.07	5.39	10.39	20.81	41.50	61.05	80.46	90.30	94.85

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Programmable Attenuator

RC8DAT-8G-95

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	40 dB	60 dB	80 dB	90 dB	95 dB
1	-0.05	-0.09	-0.26	-0.19	0.17	0.57	1.57	2.22	3.16	3.07
5	-0.05	-0.09	-0.26	-0.18	0.18	0.57	1.57	2.47	3.17	2.77
10	-0.05	-0.09	-0.26	-0.18	0.18	0.57	1.56	2.37	2.98	3.34
20	-0.05	-0.09	-0.26	-0.18	0.18	0.57	1.56	2.38	3.10	3.33
50	-0.05	-0.09	-0.25	-0.17	0.18	0.58	1.57	2.38	3.11	3.28
100	-0.05	-0.08	-0.24	-0.16	0.20	0.59	1.59	2.40	3.08	3.27
200	-0.05	-0.07	-0.21	-0.12	0.24	0.64	1.64	2.45	3.12	3.36
300	-0.04	-0.06	-0.16	-0.06	0.32	0.72	1.71	2.53	3.22	3.55
500	-0.03	-0.02	-0.04	0.10	0.49	0.89	1.88	2.69	3.38	3.62
700	-0.02	0.00	0.05	0.22	0.62	1.03	2.03	2.83	3.40	3.75
900	-0.01	0.02	0.10	0.29	0.70	1.10	2.09	2.86	3.55	3.71
1000	-0.01	0.02	0.11	0.30	0.70	1.11	2.09	2.86	3.52	3.73
1200	-0.01	0.01	0.09	0.28	0.69	1.09	2.07	2.80	3.42	3.68
1400	-0.01	0.00	0.07	0.26	0.66	1.05	2.03	2.75	3.39	3.54
1500	-0.01	0.00	0.07	0.26	0.66	1.04	2.00	2.67	3.25	3.55
1600	-0.01	0.00	0.06	0.26	0.66	1.04	1.99	2.61	3.29	3.52
1800	-0.01	0.00	0.06	0.27	0.65	1.02	1.94	2.55	3.13	3.43
2000	-0.01	0.00	0.05	0.26	0.64	0.99	1.89	2.43	3.02	3.22
2100	0.00	0.00	0.04	0.25	0.62	0.97	1.83	2.38	3.00	3.01
2200	0.00	-0.01	0.03	0.24	0.60	0.94	1.79	2.33	2.88	2.99
2400	-0.01	-0.02	0.00	0.20	0.55	0.86	1.68	2.13	2.54	2.77
2500	-0.01	-0.02	-0.02	0.18	0.51	0.81	1.62	2.03	2.55	2.64
2700	-0.01	-0.03	-0.05	0.14	0.44	0.72	1.48	1.81	2.33	2.46
2800	-0.01	-0.03	-0.07	0.11	0.41	0.66	1.40	1.66	2.13	2.14
3000	-0.02	-0.04	-0.11	0.06	0.33	0.56	1.25	1.45	1.73	1.91
3100	-0.02	-0.04	-0.12	0.04	0.29	0.51	1.17	1.30	1.62	1.87
3300	-0.02	-0.05	-0.15	0.00	0.22	0.40	0.98	1.08	1.49	1.34
3400	-0.03	-0.05	-0.16	-0.01	0.19	0.35	0.91	0.93	1.43	1.25
3600	-0.03	-0.04	-0.16	-0.02	0.16	0.28	0.78	0.70	1.13	0.92
3700	-0.03	-0.03	-0.15	-0.02	0.15	0.25	0.73	0.60	0.88	0.79
3900	-0.03	-0.02	-0.13	0.01	0.15	0.21	0.62	0.32	0.45	0.60
4000	-0.03	-0.01	-0.11	0.03	0.16	0.19	0.57	0.23	0.28	0.17
4200	-0.03	0.00	-0.08	0.06	0.16	0.15	0.43	-0.10	-0.01	0.23
4300	-0.02	0.00	-0.08	0.06	0.16	0.12	0.36	-0.20	-0.25	0.27
4500	-0.02	0.00	-0.07	0.06	0.12	0.02	0.18	-0.48	-0.30	-0.77
4600	-0.02	-0.01	-0.08	0.06	0.10	-0.03	0.09	-0.67	-0.43	-0.61
4800	-0.02	-0.02	-0.10	0.03	0.04	-0.15	-0.13	-1.02	-1.06	-1.08
4900	-0.02	-0.02	-0.11	0.03	0.01	-0.20	-0.23	-1.15	-1.10	-1.16
5100	-0.02	-0.02	-0.11	0.02	-0.03	-0.31	-0.42	-1.40	-1.27	-1.79
5200	-0.02	-0.03	-0.12	0.01	-0.06	-0.36	-0.50	-1.52	-1.60	-2.17
5400	-0.02	-0.03	-0.13	-0.02	-0.12	-0.49	-0.68	-1.80	-2.05	-1.91
5500	-0.02	-0.03	-0.15	-0.04	-0.17	-0.56	-0.80	-1.99	-2.07	-1.89
5700	-0.03	-0.05	-0.21	-0.13	-0.30	-0.73	-1.02	-2.16	-2.17	-2.21
5800	-0.04	-0.06	-0.24	-0.18	-0.37	-0.82	-1.12	-2.33	-2.34	-2.79
6000	-0.05	-0.07	-0.31	-0.27	-0.50	-0.98	-1.35	-2.55	-2.75	-2.78
6100	-0.06	-0.07	-0.33	-0.31	-0.54	-1.03	-1.39	-2.59	-2.89	-3.25
6300	-0.07	-0.07	-0.33	-0.31	-0.57	-1.08	-1.47	-2.56	-2.73	-3.17
6400	-0.07	-0.06	-0.30	-0.29	-0.55	-1.08	-1.47	-2.46	-2.73	-2.97
6600	-0.07	-0.04	-0.24	-0.21	-0.49	-1.03	-1.40	-2.44	-2.52	-2.52
6700	-0.07	-0.02	-0.21	-0.17	-0.46	-1.01	-1.35	-2.32	-2.32	-2.95
6900	-0.06	-0.01	-0.18	-0.13	-0.43	-1.00	-1.29	-2.06	-2.43	-2.54
7000	-0.06	-0.01	-0.18	-0.13	-0.44	-1.03	-1.30	-2.00	-2.13	-2.24
7200	-0.06	-0.02	-0.21	-0.17	-0.50	-1.12	-1.29	-1.80	-1.61	-2.27
7300	-0.06	-0.03	-0.23	-0.20	-0.55	-1.19	-1.31	-1.74	-1.77	-1.60
7500	-0.06	-0.04	-0.27	-0.25	-0.62	-1.29	-1.27	-1.43	-1.46	-1.47
7600	-0.06	-0.04	-0.28	-0.27	-0.65	-1.33	-1.21	-1.21	-1.23	-1.43
7800	-0.06	-0.05	-0.32	-0.30	-0.71	-1.40	-1.16	-0.83	-0.55	-1.16
7900	-0.06	-0.06	-0.34	-0.34	-0.75	-1.45	-1.10	-0.69	-0.54	0.11
8000	-0.07	-0.07	-0.39	-0.39	-0.81	-1.50	-1.05	-0.46	-0.29	0.15

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Programmable Attenuator

RC8DAT-8G-95

Typical Performance Data @ 25°C

FREQUENCY (MHz)	Input VSWR (:1)									
	0.25 dB	1 dB	5 dB	10 dB	20 dB	40 dB	60 dB	80 dB	90 dB	95 dB
1	1.69	1.57	1.38	1.23	1.21	1.15	1.10	1.04	1.04	1.04
5	1.68	1.56	1.38	1.23	1.20	1.14	1.09	1.02	1.02	1.02
10	1.68	1.56	1.38	1.23	1.20	1.14	1.09	1.02	1.02	1.01
20	1.67	1.56	1.38	1.23	1.20	1.14	1.09	1.02	1.02	1.02
50	1.67	1.56	1.38	1.23	1.20	1.14	1.09	1.02	1.02	1.02
100	1.66	1.55	1.37	1.23	1.20	1.14	1.09	1.02	1.02	1.02
200	1.61	1.51	1.35	1.22	1.20	1.14	1.09	1.02	1.02	1.02
300	1.54	1.45	1.33	1.21	1.19	1.14	1.09	1.02	1.02	1.02
500	1.37	1.31	1.26	1.18	1.19	1.14	1.10	1.02	1.03	1.02
700	1.21	1.18	1.20	1.16	1.19	1.14	1.10	1.03	1.04	1.03
900	1.09	1.09	1.16	1.15	1.18	1.14	1.10	1.03	1.04	1.03
1000	1.07	1.09	1.16	1.15	1.18	1.14	1.10	1.04	1.05	1.04
1200	1.12	1.15	1.17	1.14	1.18	1.14	1.11	1.04	1.06	1.04
1400	1.17	1.19	1.18	1.15	1.19	1.15	1.11	1.05	1.06	1.05
1500	1.19	1.20	1.18	1.15	1.19	1.15	1.12	1.05	1.07	1.05
1600	1.19	1.20	1.18	1.15	1.19	1.15	1.12	1.06	1.07	1.06
1800	1.16	1.18	1.17	1.15	1.20	1.15	1.12	1.06	1.08	1.06
2000	1.13	1.15	1.16	1.16	1.20	1.16	1.13	1.07	1.09	1.07
2100	1.13	1.14	1.17	1.17	1.20	1.16	1.13	1.07	1.09	1.07
2200	1.15	1.15	1.17	1.17	1.21	1.16	1.13	1.07	1.09	1.07
2400	1.21	1.20	1.21	1.19	1.21	1.16	1.14	1.07	1.10	1.08
2500	1.25	1.23	1.23	1.20	1.21	1.16	1.14	1.07	1.09	1.08
2700	1.33	1.30	1.27	1.22	1.22	1.16	1.14	1.07	1.09	1.08
2800	1.37	1.33	1.29	1.23	1.22	1.16	1.13	1.07	1.09	1.07
3000	1.43	1.38	1.32	1.24	1.22	1.15	1.13	1.07	1.09	1.07
3100	1.44	1.39	1.33	1.24	1.22	1.15	1.13	1.06	1.08	1.07
3300	1.44	1.40	1.34	1.24	1.21	1.14	1.12	1.06	1.08	1.06
3400	1.42	1.39	1.33	1.23	1.21	1.14	1.12	1.05	1.07	1.05
3600	1.35	1.33	1.29	1.22	1.20	1.13	1.11	1.04	1.06	1.04
3700	1.30	1.28	1.27	1.20	1.19	1.12	1.10	1.03	1.05	1.04
3900	1.18	1.18	1.21	1.17	1.17	1.10	1.10	1.02	1.04	1.02
4000	1.12	1.13	1.18	1.15	1.16	1.10	1.09	1.02	1.04	1.02
4200	1.04	1.07	1.14	1.13	1.15	1.08	1.08	1.02	1.04	1.01
4300	1.05	1.07	1.12	1.12	1.14	1.07	1.08	1.02	1.04	1.02
4500	1.10	1.10	1.10	1.11	1.12	1.06	1.07	1.04	1.06	1.03
4600	1.12	1.11	1.10	1.11	1.11	1.05	1.06	1.05	1.07	1.04
4800	1.12	1.11	1.08	1.10	1.09	1.05	1.06	1.07	1.09	1.06
4900	1.11	1.10	1.07	1.09	1.08	1.05	1.06	1.08	1.10	1.08
5100	1.07	1.06	1.04	1.08	1.06	1.06	1.06	1.11	1.13	1.10
5200	1.05	1.04	1.03	1.07	1.04	1.07	1.07	1.12	1.14	1.11
5400	1.06	1.05	1.04	1.07	1.04	1.09	1.08	1.15	1.17	1.14
5500	1.07	1.05	1.04	1.06	1.03	1.10	1.09	1.16	1.19	1.15
5700	1.08	1.07	1.05	1.06	1.05	1.13	1.11	1.19	1.23	1.18
5800	1.08	1.07	1.05	1.06	1.06	1.14	1.12	1.21	1.24	1.20
6000	1.05	1.03	1.04	1.07	1.09	1.17	1.15	1.24	1.28	1.23
6100	1.04	1.01	1.04	1.07	1.11	1.19	1.17	1.27	1.31	1.25
6300	1.09	1.07	1.07	1.10	1.14	1.23	1.20	1.31	1.36	1.30
6400	1.14	1.12	1.09	1.12	1.16	1.25	1.22	1.33	1.38	1.32
6600	1.23	1.20	1.15	1.16	1.19	1.29	1.25	1.38	1.44	1.37
6700	1.27	1.24	1.18	1.18	1.21	1.31	1.27	1.41	1.47	1.39
6900	1.31	1.28	1.22	1.21	1.24	1.35	1.31	1.46	1.53	1.45
7000	1.31	1.28	1.24	1.23	1.25	1.37	1.33	1.49	1.57	1.47
7200	1.30	1.29	1.28	1.26	1.29	1.41	1.37	1.55	1.63	1.53
7300	1.30	1.29	1.31	1.28	1.31	1.42	1.38	1.57	1.66	1.55
7500	1.36	1.36	1.39	1.33	1.36	1.46	1.42	1.63	1.73	1.61
7600	1.41	1.42	1.44	1.36	1.39	1.48	1.44	1.65	1.76	1.63
7800	1.52	1.53	1.54	1.44	1.46	1.52	1.47	1.70	1.82	1.68
7900	1.57	1.59	1.60	1.48	1.49	1.53	1.48	1.72	1.85	1.70
8000	1.61	1.63	1.65	1.53	1.53	1.55	1.50	1.74	1.87	1.72

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Programmable Attenuator

RC8DAT-8G-95

Typical Performance Data @ 25°C

FREQUENCY (MHz)	Output VSWR (:1)									
	0.25 dB	1 dB	5 dB	10 dB	20 dB	40 dB	60 dB	80 dB	90 dB	95 dB
1	1.68	1.64	1.31	1.21	1.04	1.10	1.05	1.04	1.08	1.10
5	1.67	1.62	1.30	1.20	1.01	1.08	1.02	1.02	1.06	1.08
10	1.67	1.62	1.30	1.20	1.01	1.08	1.02	1.02	1.06	1.08
20	1.67	1.62	1.30	1.20	1.01	1.08	1.02	1.01	1.06	1.08
50	1.67	1.62	1.30	1.20	1.01	1.08	1.01	1.01	1.06	1.08
100	1.65	1.61	1.29	1.20	1.01	1.08	1.01	1.01	1.06	1.08
200	1.61	1.57	1.28	1.19	1.01	1.07	1.01	1.01	1.05	1.08
300	1.55	1.51	1.26	1.19	1.01	1.07	1.02	1.01	1.05	1.07
500	1.40	1.39	1.21	1.17	1.02	1.07	1.02	1.02	1.05	1.07
700	1.25	1.26	1.17	1.17	1.03	1.06	1.03	1.03	1.05	1.07
900	1.13	1.15	1.16	1.17	1.04	1.06	1.04	1.04	1.05	1.06
1000	1.09	1.12	1.16	1.18	1.05	1.06	1.04	1.04	1.05	1.06
1200	1.12	1.13	1.19	1.20	1.06	1.05	1.05	1.05	1.05	1.06
1400	1.18	1.17	1.23	1.23	1.07	1.05	1.06	1.06	1.05	1.05
1500	1.20	1.19	1.24	1.24	1.08	1.05	1.06	1.06	1.05	1.05
1600	1.21	1.19	1.25	1.25	1.08	1.04	1.07	1.07	1.05	1.04
1800	1.18	1.16	1.24	1.26	1.09	1.04	1.07	1.07	1.06	1.04
2000	1.13	1.12	1.23	1.25	1.10	1.04	1.08	1.08	1.06	1.04
2100	1.12	1.11	1.23	1.26	1.11	1.04	1.08	1.08	1.06	1.04
2200	1.13	1.13	1.23	1.26	1.11	1.04	1.08	1.08	1.06	1.04
2400	1.23	1.23	1.25	1.26	1.12	1.04	1.08	1.08	1.06	1.04
2500	1.29	1.29	1.27	1.27	1.12	1.04	1.08	1.08	1.06	1.04
2700	1.42	1.41	1.31	1.29	1.13	1.04	1.08	1.08	1.06	1.04
2800	1.48	1.47	1.33	1.29	1.13	1.04	1.07	1.07	1.05	1.04
3000	1.55	1.54	1.35	1.30	1.12	1.05	1.07	1.07	1.05	1.05
3100	1.56	1.55	1.36	1.30	1.12	1.05	1.06	1.06	1.05	1.05
3300	1.52	1.52	1.34	1.29	1.12	1.06	1.06	1.06	1.05	1.06
3400	1.48	1.49	1.32	1.28	1.11	1.06	1.06	1.06	1.05	1.06
3600	1.37	1.38	1.27	1.25	1.10	1.07	1.06	1.06	1.05	1.07
3700	1.30	1.32	1.25	1.24	1.10	1.08	1.06	1.06	1.05	1.08
3900	1.18	1.21	1.20	1.21	1.09	1.09	1.07	1.07	1.06	1.09
4000	1.14	1.17	1.18	1.20	1.09	1.09	1.08	1.08	1.07	1.09
4200	1.10	1.11	1.16	1.18	1.08	1.11	1.10	1.10	1.08	1.11
4300	1.10	1.10	1.15	1.17	1.08	1.11	1.11	1.11	1.09	1.12
4500	1.11	1.09	1.14	1.15	1.07	1.13	1.13	1.13	1.11	1.13
4600	1.10	1.08	1.13	1.14	1.07	1.13	1.14	1.14	1.12	1.14
4800	1.07	1.05	1.11	1.11	1.07	1.15	1.17	1.17	1.14	1.16
4900	1.05	1.04	1.09	1.09	1.06	1.15	1.18	1.18	1.15	1.16
5100	1.04	1.03	1.06	1.07	1.07	1.17	1.21	1.21	1.18	1.18
5200	1.04	1.04	1.06	1.06	1.08	1.18	1.22	1.22	1.19	1.19
5400	1.06	1.06	1.06	1.07	1.10	1.20	1.25	1.25	1.22	1.21
5500	1.06	1.06	1.07	1.09	1.12	1.21	1.26	1.26	1.23	1.22
5700	1.02	1.02	1.10	1.13	1.16	1.24	1.29	1.29	1.26	1.25
5800	1.02	1.02	1.13	1.15	1.18	1.25	1.30	1.30	1.28	1.26
6000	1.12	1.11	1.19	1.21	1.23	1.27	1.33	1.33	1.31	1.29
6100	1.19	1.17	1.24	1.24	1.26	1.29	1.34	1.34	1.32	1.30
6300	1.35	1.33	1.34	1.32	1.31	1.32	1.37	1.37	1.36	1.32
6400	1.44	1.41	1.39	1.36	1.34	1.33	1.38	1.37	1.37	1.34
6600	1.58	1.55	1.49	1.43	1.39	1.36	1.39	1.39	1.40	1.36
6700	1.63	1.60	1.52	1.46	1.42	1.37	1.40	1.40	1.42	1.37
6900	1.66	1.65	1.57	1.51	1.46	1.40	1.41	1.41	1.45	1.40
7000	1.65	1.65	1.58	1.52	1.47	1.41	1.41	1.41	1.46	1.41
7200	1.60	1.62	1.58	1.55	1.50	1.43	1.41	1.41	1.48	1.43
7300	1.58	1.61	1.58	1.56	1.50	1.44	1.40	1.40	1.48	1.43
7500	1.61	1.63	1.58	1.58	1.51	1.45	1.39	1.39	1.49	1.44
7600	1.64	1.65	1.59	1.59	1.51	1.45	1.38	1.38	1.49	1.44
7800	1.69	1.69	1.62	1.62	1.52	1.45	1.35	1.35	1.49	1.44
7900	1.69	1.69	1.63	1.64	1.53	1.45	1.33	1.33	1.48	1.44
8000	1.67	1.67	1.64	1.65	1.53	1.44	1.32	1.32	1.47	1.43

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Programmable Attenuator

RC8DAT-8G-95

Typical Performance Data @ 25°C

FREQUENCY (MHz)	IP3 (dBm)
1	38.93
5	51.35
10	52.09
50	53.42
100	58.19
250	55.33
500	54.43
750	54.57
1000	53.36
2000	56.13
3000	58.46
4000	54.15
5000	55.38
6000	54.40
7000	54.95
8000	49.26

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Programmable Attenuator

RC8DAT-8G-95

Typical Performance Data @ 25°C

FREQUENCY (MHz)	Cross-Over Isolation (dB)									
	In1- Out3	In2- Out4	In4- Out6	In5- Out7	In6- Out8	Out1- In3	Out2- In4	Out4- In6	Out5- In7	Out6- In8
1	114.84	115.53	114.66	117.67	114.55	114.23	117.53	118.18	114.89	118.08
5	117.94	116.42	109.54	114.73	116.57	114.65	113.41	113.90	116.29	113.63
10	128.67	130.91	127.04	128.09	127.35	123.22	133.64	130.28	124.44	126.20
20	128.24	129.57	129.50	128.62	128.93	126.26	132.55	128.36	125.48	125.72
50	129.26	129.02	129.49	128.80	130.91	128.21	132.04	127.60	127.12	128.34
100	130.13	129.71	127.78	129.28	130.89	131.37	131.99	128.94	130.29	129.01
200	129.86	131.38	129.87	130.05	131.23	132.73	133.16	137.19	134.10	128.87
300	131.59	130.12	130.73	133.85	130.07	132.77	132.68	132.57	132.30	130.58
500	127.88	132.98	132.58	132.50	131.74	131.18	135.02	130.36	133.55	132.04
700	132.61	131.50	130.52	132.53	132.05	131.65	132.50	133.64	130.87	133.34
900	133.99	131.34	133.19	130.93	131.70	134.77	131.09	131.26	132.11	131.44
1000	132.34	133.52	134.91	132.87	132.43	129.47	130.20	131.77	131.33	130.78
1200	130.80	127.39	131.12	130.78	131.45	130.89	131.41	129.64	130.60	128.64
1400	129.57	131.94	131.13	129.30	129.69	131.78	134.72	133.41	132.31	133.84
1500	131.39	131.15	129.86	133.73	128.33	133.85	129.16	135.18	135.99	134.98
1600	133.77	129.10	131.65	134.24	130.62	129.32	131.72	134.21	129.68	135.38
1800	132.48	132.52	130.13	134.52	130.39	131.61	131.80	128.31	131.45	129.08
2000	134.24	131.26	132.33	130.65	131.35	132.88	129.30	131.14	129.27	129.23
2100	132.92	126.38	134.38	130.45	131.68	127.06	127.68	133.79	129.82	130.94
2200	133.77	128.08	132.79	129.09	132.59	130.44	129.22	131.86	133.38	131.81
2400	130.17	130.52	130.80	130.17	131.82	131.94	131.61	134.28	131.89	128.80
2500	130.50	126.86	133.77	129.62	132.57	128.57	129.64	131.66	134.22	128.99
2700	133.40	132.43	128.14	128.07	130.40	131.18	133.25	127.72	131.51	129.06
2800	131.29	127.19	128.50	129.50	133.73	127.40	131.26	129.05	128.39	130.14
3000	128.13	135.22	129.86	130.30	133.05	130.58	134.26	130.28	130.02	132.18
3100	131.29	132.97	129.65	133.48	132.36	135.77	129.93	134.98	125.99	130.43
3300	129.82	128.15	129.42	128.95	129.63	131.43	130.76	131.39	132.95	132.58
3400	131.71	129.74	125.78	131.93	129.36	131.89	130.90	132.26	131.91	131.54
3600	128.21	130.95	130.37	133.02	130.69	127.20	130.29	131.31	138.09	135.16
3700	129.15	130.69	130.53	131.53	128.12	125.63	129.71	129.11	131.89	131.80
3900	131.57	131.25	130.02	126.03	127.55	132.86	131.45	128.97	127.69	129.88
4000	127.95	130.95	130.48	130.38	131.24	128.88	129.41	129.67	129.41	129.88
4200	129.82	127.26	128.69	128.82	133.39	129.89	130.20	129.89	128.56	129.55
4300	128.14	129.63	128.96	131.68	127.04	129.78	130.97	126.48	129.04	130.59
4500	127.68	129.44	130.64	125.16	126.88	129.32	131.00	130.02	129.63	127.28
4600	129.10	131.22	130.52	124.84	126.56	129.38	128.76	128.73	128.71	126.86
4800	129.79	128.01	126.72	123.69	123.75	130.45	132.94	124.62	122.84	122.79
4900	126.79	129.66	121.91	123.85	124.30	126.41	128.23	121.28	126.99	122.02
5100	126.98	126.54	123.82	130.41	128.34	130.41	128.46	125.00	128.90	127.66
5200	127.66	129.86	129.12	127.87	129.87	130.40	126.03	128.52	130.82	130.22
5400	122.91	129.78	128.61	128.48	129.52	124.00	127.90	125.57	130.63	128.92
5500	123.97	126.83	128.29	127.75	127.06	123.38	129.41	127.05	132.47	131.03
5700	127.10	127.45	131.18	124.67	130.44	130.54	124.79	127.71	127.32	129.41
5800	125.64	125.69	129.98	124.05	132.32	130.12	126.80	128.92	127.71	131.33
6000	129.87	129.94	130.21	127.53	133.99	130.98	127.93	129.64	126.03	129.38
6100	129.87	128.69	130.12	128.80	132.80	130.74	127.55	126.84	125.05	129.70
6300	125.20	128.51	132.41	122.20	131.04	124.41	129.19	126.14	122.74	131.43
6400	120.87	128.83	128.53	121.11	131.74	123.43	130.57	129.90	120.42	128.65
6600	121.69	124.42	129.80	118.63	127.07	121.92	129.86	126.03	118.75	125.85
6700	123.99	124.83	128.60	118.85	124.94	122.37	125.31	126.07	118.91	126.30
6900	119.66	127.09	126.47	113.42	125.85	117.44	123.84	127.46	113.18	124.22
7000	120.11	122.53	126.04	114.33	124.21	117.23	123.55	123.62	113.13	122.43
7200	123.97	117.23	111.80	117.30	122.61	120.38	121.17	111.15	118.33	121.33
7300	121.32	117.20	115.64	118.23	122.09	122.91	120.40	113.28	115.90	124.04
7500	120.54	120.04	120.13	112.51	123.36	119.40	121.48	121.08	112.07	122.94
7600	118.75	121.07	120.24	110.81	122.19	118.27	119.82	121.25	110.59	123.44
7800	118.15	118.99	119.58	111.66	118.75	117.44	119.19	119.42	111.31	119.43
7900	116.70	117.87	120.55	117.30	117.43	117.20	115.97	118.80	115.90	118.37
8000	116.12	117.60	119.50	117.95	117.83	115.73	117.74	119.48	116.12	121.24

Notes

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Programmable Attenuator

RC8DAT-8G-95

Typical Performance Data @ 50°C

FREQUENCY (MHz)	Attenuation relative to Insertion Loss (dB)									
	0.25 dB	1 dB	5 dB	10 dB	20 dB	40 dB	60 dB	80 dB	90 dB	95 dB
1	0.29	1.08	5.22	10.10	19.71	39.26	58.20	77.47	87.20	92.03
5	0.29	1.08	5.22	10.10	19.71	39.25	58.23	77.40	86.44	91.55
10	0.29	1.08	5.21	10.10	19.71	39.25	58.23	77.41	86.66	91.51
20	0.29	1.07	5.21	10.09	19.70	39.25	58.23	77.41	86.72	91.38
50	0.29	1.07	5.21	10.09	19.70	39.24	58.23	77.40	86.72	91.35
100	0.29	1.07	5.20	10.08	19.69	39.23	58.22	77.39	86.69	91.41
200	0.29	1.06	5.17	10.04	19.64	39.17	58.16	77.35	86.69	91.40
300	0.29	1.04	5.11	9.96	19.55	39.08	58.06	77.23	86.59	91.34
500	0.27	1.01	4.99	9.80	19.37	38.90	57.87	77.04	86.38	91.13
700	0.26	0.98	4.90	9.68	19.24	38.76	57.72	76.90	86.22	91.01
900	0.26	0.97	4.86	9.63	19.17	38.69	57.66	76.85	86.24	90.88
1000	0.26	0.97	4.86	9.63	19.17	38.68	57.66	76.87	86.18	90.98
1200	0.26	0.98	4.88	9.64	19.19	38.71	57.68	76.96	86.29	90.85
1400	0.26	0.99	4.91	9.67	19.23	38.75	57.74	77.05	86.41	91.16
1500	0.26	0.99	4.92	9.68	19.24	38.76	57.77	77.08	86.47	91.21
1600	0.25	0.99	4.92	9.67	19.24	38.77	57.79	77.08	86.43	91.19
1800	0.25	0.99	4.92	9.67	19.24	38.79	57.82	77.21	86.55	91.27
2000	0.25	0.99	4.92	9.67	19.25	38.81	57.88	77.27	86.76	91.46
2100	0.25	1.00	4.92	9.67	19.27	38.84	57.92	77.38	86.69	91.65
2200	0.25	1.00	4.93	9.68	19.28	38.87	57.97	77.48	86.99	91.71
2400	0.25	1.01	4.96	9.71	19.34	38.94	58.08	77.63	87.10	91.96
2500	0.25	1.01	4.98	9.74	19.37	38.99	58.16	77.70	87.21	92.20
2700	0.26	1.02	5.01	9.78	19.45	39.09	58.31	78.03	87.49	92.60
2800	0.26	1.02	5.03	9.81	19.49	39.15	58.39	78.13	87.60	92.54
3000	0.26	1.03	5.07	9.86	19.57	39.26	58.56	78.34	87.81	92.67
3100	0.26	1.03	5.09	9.89	19.60	39.31	58.64	78.48	88.08	92.60
3300	0.27	1.03	5.11	9.93	19.67	39.41	58.80	78.72	88.32	93.20
3400	0.27	1.03	5.12	9.94	19.69	39.45	58.87	78.89	88.48	93.60
3600	0.27	1.02	5.12	9.94	19.72	39.52	59.02	79.15	88.84	93.66
3700	0.27	1.02	5.11	9.94	19.73	39.54	59.06	79.26	89.19	93.86
3900	0.27	1.01	5.08	9.91	19.72	39.57	59.19	79.50	89.35	94.50
4000	0.27	1.00	5.06	9.89	19.71	39.59	59.24	79.65	89.51	94.24
4200	0.27	0.99	5.04	9.86	19.71	39.62	59.38	79.85	89.82	94.58
4300	0.27	0.99	5.03	9.86	19.72	39.66	59.43	80.00	90.01	94.69
4500	0.27	0.99	5.04	9.86	19.75	39.74	59.64	80.36	90.12	95.36
4600	0.27	1.00	5.05	9.87	19.78	39.79	59.73	80.53	90.44	95.78
4800	0.27	1.01	5.07	9.89	19.83	39.91	59.95	80.82	90.71	95.76
4900	0.27	1.01	5.07	9.90	19.86	39.96	60.05	80.98	91.00	96.14
5100	0.26	1.02	5.08	9.91	19.91	40.07	60.21	81.26	91.17	96.31
5200	0.26	1.02	5.08	9.92	19.93	40.12	60.33	81.41	91.53	96.20
5400	0.26	1.02	5.09	9.94	19.99	40.25	60.52	81.69	91.84	97.05
5500	0.27	1.02	5.11	9.96	20.04	40.32	60.62	81.93	92.03	97.20
5700	0.28	1.04	5.17	10.05	20.17	40.50	60.88	82.22	92.23	97.37
5800	0.28	1.05	5.21	10.10	20.25	40.60	61.02	82.36	92.63	97.53
6000	0.30	1.06	5.28	10.21	20.39	40.76	61.25	82.59	92.75	98.00
6100	0.31	1.06	5.30	10.24	20.43	40.82	61.33	82.72	92.63	98.03
6300	0.32	1.05	5.29	10.24	20.45	40.86	61.37	82.79	93.06	98.65
6400	0.32	1.04	5.26	10.21	20.43	40.85	61.36	82.68	92.84	98.36
6600	0.32	1.02	5.19	10.13	20.36	40.79	61.31	82.47	92.70	98.14
6700	0.32	1.01	5.16	10.09	20.32	40.76	61.29	82.39	92.35	97.89
6900	0.31	1.00	5.14	10.05	20.30	40.77	61.25	82.22	92.46	97.76
7000	0.31	1.01	5.14	10.06	20.32	40.79	61.24	82.11	92.42	97.12
7200	0.30	1.02	5.18	10.10	20.39	40.89	61.29	81.92	92.04	97.65
7300	0.30	1.02	5.20	10.13	20.43	40.95	61.28	81.89	92.07	97.03
7500	0.30	1.03	5.24	10.18	20.50	41.05	61.23	81.60	91.62	96.94
7600	0.30	1.04	5.25	10.20	20.53	41.09	61.25	81.59	91.40	96.39
7800	0.31	1.05	5.29	10.24	20.59	41.17	61.18	81.19	90.90	95.88
7900	0.31	1.06	5.32	10.27	20.63	41.21	61.12	81.02	90.54	95.69
8000	0.32	1.07	5.36	10.32	20.69	41.27	61.07	80.68	90.56	95.09

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Programmable Attenuator

RC8DAT-8G-95

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	40 dB	60 dB	80 dB	90 dB	95 dB
1	-0.04	-0.08	-0.22	-0.10	0.29	0.75	1.81	2.54	2.81	2.97
5	-0.04	-0.08	-0.22	-0.10	0.29	0.76	1.78	2.60	3.56	3.46
10	-0.04	-0.08	-0.21	-0.10	0.29	0.75	1.77	2.59	3.35	3.49
20	-0.04	-0.07	-0.21	-0.09	0.30	0.75	1.77	2.59	3.28	3.62
50	-0.04	-0.07	-0.21	-0.09	0.30	0.76	1.77	2.60	3.28	3.65
100	-0.04	-0.07	-0.20	-0.08	0.31	0.77	1.78	2.61	3.31	3.59
200	-0.04	-0.06	-0.17	-0.03	0.36	0.83	1.84	2.65	3.31	3.60
300	-0.04	-0.04	-0.11	0.04	0.45	0.92	1.94	2.77	3.41	3.66
500	-0.02	-0.01	0.01	0.20	0.63	1.10	2.13	2.96	3.62	3.87
700	-0.01	0.02	0.10	0.32	0.76	1.25	2.28	3.10	3.78	3.99
900	-0.01	0.03	0.14	0.37	0.83	1.31	2.34	3.15	3.76	4.12
1000	-0.01	0.03	0.14	0.38	0.83	1.32	2.34	3.13	3.82	4.03
1200	-0.01	0.02	0.12	0.36	0.81	1.29	2.32	3.04	3.71	4.15
1400	-0.01	0.01	0.09	0.33	0.77	1.26	2.26	2.95	3.59	3.84
1500	0.00	0.01	0.09	0.32	0.76	1.24	2.23	2.92	3.53	3.79
1600	0.00	0.01	0.09	0.33	0.76	1.23	2.21	2.92	3.57	3.81
1800	0.00	0.01	0.09	0.33	0.76	1.21	2.18	2.79	3.45	3.73
2000	0.00	0.01	0.08	0.34	0.75	1.19	2.12	2.73	3.24	3.54
2100	0.00	0.00	0.08	0.33	0.74	1.16	2.08	2.63	3.31	3.35
2200	0.00	0.00	0.07	0.32	0.72	1.13	2.03	2.52	3.02	3.29
2400	0.00	0.00	0.04	0.29	0.66	1.06	1.92	2.37	2.90	3.04
2500	0.00	-0.01	0.02	0.26	0.63	1.01	1.84	2.30	2.79	2.80
2700	-0.01	-0.02	-0.01	0.22	0.55	0.91	1.69	1.97	2.51	2.41
2800	-0.01	-0.02	-0.03	0.19	0.51	0.86	1.61	1.87	2.40	2.46
3000	-0.01	-0.03	-0.07	0.14	0.43	0.74	1.44	1.66	2.19	2.33
3100	-0.01	-0.03	-0.09	0.11	0.40	0.69	1.36	1.52	1.92	2.40
3300	-0.02	-0.03	-0.11	0.07	0.33	0.59	1.20	1.28	1.68	1.80
3400	-0.02	-0.03	-0.12	0.06	0.31	0.55	1.13	1.11	1.52	1.40
3600	-0.02	-0.02	-0.12	0.06	0.28	0.49	0.99	0.85	1.16	1.34
3700	-0.02	-0.02	-0.11	0.06	0.27	0.46	0.94	0.74	0.81	1.14
3900	-0.02	-0.01	-0.08	0.09	0.28	0.43	0.81	0.50	0.65	0.50
4000	-0.02	0.00	-0.06	0.11	0.29	0.41	0.76	0.35	0.49	0.76
4200	-0.02	0.01	-0.04	0.14	0.29	0.38	0.63	0.15	0.19	0.42
4300	-0.02	0.01	-0.03	0.14	0.28	0.35	0.57	0.00	-0.01	0.31
4500	-0.01	0.01	-0.04	0.14	0.25	0.26	0.36	-0.36	-0.12	-0.36
4600	-0.02	0.00	-0.05	0.13	0.22	0.21	0.27	-0.53	-0.44	-0.78
4800	-0.01	-0.01	-0.07	0.11	0.17	0.09	0.05	-0.82	-0.71	-0.76
4900	-0.01	-0.01	-0.07	0.10	0.14	0.04	-0.04	-0.98	-1.00	-1.13
5100	-0.01	-0.02	-0.08	0.09	0.09	-0.07	-0.21	-1.26	-1.17	-1.31
5200	-0.01	-0.02	-0.08	0.09	0.07	-0.12	-0.33	-1.41	-1.53	-1.20
5400	-0.01	-0.02	-0.09	0.06	0.01	-0.25	-0.52	-1.69	-1.84	-2.04
5500	-0.02	-0.02	-0.11	0.04	-0.04	-0.32	-0.62	-1.93	-2.03	-2.20
5700	-0.03	-0.04	-0.17	-0.05	-0.17	-0.50	-0.88	-2.22	-2.23	-2.37
5800	-0.03	-0.05	-0.21	-0.10	-0.25	-0.59	-1.02	-2.36	-2.63	-2.53
6000	-0.05	-0.06	-0.28	-0.21	-0.39	-0.76	-1.25	-2.58	-2.75	-3.00
6100	-0.06	-0.06	-0.30	-0.24	-0.43	-0.82	-1.33	-2.72	-2.63	-3.03
6300	-0.07	-0.05	-0.28	-0.24	-0.45	-0.86	-1.37	-2.79	-3.06	-3.65
6400	-0.07	-0.04	-0.26	-0.21	-0.43	-0.85	-1.36	-2.68	-2.83	-3.36
6600	-0.07	-0.02	-0.19	-0.13	-0.36	-0.79	-1.31	-2.47	-2.70	-3.14
6700	-0.07	-0.01	-0.16	-0.09	-0.32	-0.76	-1.29	-2.39	-2.35	-2.89
6900	-0.06	0.00	-0.14	-0.05	-0.30	-0.77	-1.25	-2.22	-2.46	-2.75
7000	-0.06	0.00	-0.14	-0.06	-0.32	-0.79	-1.24	-2.11	-2.42	-2.12
7200	-0.05	-0.02	-0.18	-0.10	-0.39	-0.89	-1.29	-1.92	-2.04	-2.65
7300	-0.05	-0.02	-0.20	-0.13	-0.43	-0.95	-1.28	-1.89	-2.07	-2.03
7500	-0.05	-0.03	-0.24	-0.18	-0.50	-1.05	-1.23	-1.60	-1.62	-1.94
7600	-0.05	-0.04	-0.25	-0.19	-0.53	-1.09	-1.24	-1.59	-1.40	-1.39
7800	-0.06	-0.05	-0.29	-0.24	-0.59	-1.17	-1.18	-1.19	-0.90	-0.88
7900	-0.06	-0.05	-0.32	-0.27	-0.63	-1.21	-1.12	-1.02	-0.54	-0.69
8000	-0.07	-0.07	-0.36	-0.32	-0.69	-1.27	-1.07	-0.68	-0.56	-0.09

Notes

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Programmable Attenuator

RC8DAT-8G-95

Typical Performance Data @ 50°C

FREQUENCY (MHz)	Input VSWR (:1)									
	0.25 dB	1 dB	5 dB	10 dB	20 dB	40 dB	60 dB	80 dB	90 dB	95 dB
1	1.73	1.62	1.44	1.28	1.26	1.19	1.14	1.07	1.07	1.07
5	1.72	1.61	1.43	1.27	1.25	1.18	1.13	1.05	1.05	1.05
10	1.72	1.61	1.43	1.27	1.25	1.18	1.13	1.05	1.05	1.05
20	1.72	1.61	1.43	1.27	1.25	1.18	1.13	1.05	1.05	1.05
50	1.72	1.60	1.43	1.27	1.25	1.18	1.13	1.05	1.05	1.05
100	1.70	1.59	1.42	1.27	1.25	1.18	1.13	1.05	1.05	1.05
200	1.64	1.54	1.39	1.26	1.24	1.18	1.12	1.05	1.05	1.05
300	1.57	1.48	1.37	1.25	1.23	1.18	1.13	1.05	1.05	1.05
500	1.40	1.34	1.30	1.22	1.23	1.18	1.13	1.06	1.06	1.06
700	1.23	1.20	1.23	1.19	1.22	1.18	1.14	1.06	1.07	1.06
900	1.10	1.11	1.18	1.17	1.21	1.18	1.14	1.07	1.07	1.07
1000	1.08	1.11	1.17	1.16	1.21	1.18	1.14	1.07	1.08	1.07
1200	1.13	1.15	1.17	1.15	1.21	1.19	1.15	1.08	1.09	1.07
1400	1.18	1.20	1.17	1.15	1.21	1.19	1.15	1.08	1.09	1.08
1500	1.19	1.21	1.18	1.15	1.21	1.19	1.15	1.08	1.10	1.08
1600	1.20	1.21	1.17	1.15	1.22	1.19	1.15	1.09	1.10	1.09
1800	1.17	1.18	1.17	1.16	1.22	1.19	1.16	1.09	1.11	1.09
2000	1.14	1.15	1.17	1.17	1.22	1.19	1.16	1.09	1.11	1.10
2100	1.14	1.15	1.18	1.18	1.23	1.20	1.16	1.10	1.12	1.10
2200	1.16	1.16	1.19	1.19	1.24	1.20	1.17	1.10	1.12	1.10
2400	1.22	1.21	1.23	1.22	1.24	1.20	1.17	1.10	1.12	1.10
2500	1.27	1.25	1.26	1.23	1.25	1.20	1.17	1.10	1.12	1.10
2700	1.35	1.32	1.30	1.26	1.25	1.20	1.17	1.10	1.12	1.11
2800	1.39	1.35	1.32	1.27	1.25	1.20	1.17	1.10	1.12	1.10
3000	1.46	1.41	1.36	1.28	1.25	1.19	1.16	1.10	1.12	1.10
3100	1.47	1.43	1.36	1.28	1.25	1.19	1.16	1.09	1.11	1.10
3300	1.47	1.43	1.36	1.27	1.24	1.18	1.15	1.09	1.10	1.09
3400	1.44	1.41	1.35	1.26	1.23	1.17	1.15	1.08	1.10	1.08
3600	1.36	1.34	1.31	1.23	1.22	1.16	1.14	1.07	1.09	1.07
3700	1.31	1.30	1.28	1.21	1.20	1.15	1.13	1.06	1.08	1.07
3900	1.19	1.19	1.22	1.18	1.18	1.13	1.12	1.05	1.07	1.05
4000	1.13	1.14	1.18	1.16	1.17	1.12	1.11	1.04	1.06	1.04
4200	1.05	1.08	1.14	1.14	1.15	1.10	1.10	1.03	1.05	1.03
4300	1.06	1.08	1.12	1.13	1.14	1.09	1.09	1.02	1.04	1.02
4500	1.11	1.11	1.11	1.12	1.12	1.07	1.08	1.02	1.04	1.01
4600	1.12	1.12	1.10	1.12	1.11	1.06	1.07	1.02	1.05	1.02
4800	1.13	1.12	1.09	1.12	1.10	1.04	1.06	1.04	1.06	1.03
4900	1.12	1.11	1.08	1.11	1.08	1.03	1.06	1.05	1.08	1.05
5100	1.08	1.07	1.06	1.10	1.06	1.04	1.06	1.08	1.10	1.07
5200	1.06	1.05	1.05	1.10	1.05	1.05	1.06	1.09	1.12	1.09
5400	1.07	1.06	1.05	1.09	1.03	1.07	1.07	1.12	1.15	1.11
5500	1.07	1.07	1.05	1.08	1.03	1.08	1.08	1.14	1.17	1.13
5700	1.09	1.08	1.06	1.07	1.04	1.11	1.10	1.17	1.21	1.16
5800	1.08	1.07	1.05	1.07	1.06	1.13	1.11	1.19	1.23	1.18
6000	1.05	1.04	1.04	1.06	1.09	1.17	1.14	1.23	1.27	1.22
6100	1.04	1.01	1.04	1.07	1.11	1.19	1.16	1.25	1.29	1.24
6300	1.10	1.08	1.07	1.10	1.15	1.23	1.19	1.29	1.35	1.28
6400	1.16	1.13	1.10	1.12	1.16	1.25	1.21	1.32	1.37	1.30
6600	1.25	1.21	1.16	1.16	1.20	1.29	1.25	1.36	1.43	1.35
6700	1.28	1.25	1.19	1.18	1.22	1.31	1.27	1.39	1.46	1.38
6900	1.31	1.28	1.24	1.22	1.26	1.35	1.30	1.44	1.52	1.43
7000	1.31	1.28	1.25	1.23	1.27	1.37	1.32	1.47	1.55	1.45
7200	1.30	1.29	1.29	1.26	1.31	1.41	1.36	1.52	1.62	1.50
7300	1.31	1.30	1.32	1.28	1.33	1.42	1.37	1.54	1.65	1.53
7500	1.37	1.38	1.39	1.33	1.38	1.47	1.41	1.60	1.71	1.58
7600	1.42	1.43	1.44	1.36	1.41	1.48	1.43	1.62	1.74	1.61
7800	1.51	1.53	1.54	1.43	1.47	1.52	1.46	1.67	1.80	1.65
7900	1.56	1.58	1.59	1.47	1.50	1.54	1.48	1.69	1.82	1.67
8000	1.59	1.62	1.64	1.51	1.54	1.55	1.49	1.71	1.85	1.69

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Programmable Attenuator

RC8DAT-8G-95

Typical Performance Data @ 50°C

FREQUENCY (MHz)	Output VSWR (:1)									
	0.25 dB	1 dB	5 dB	10 dB	20 dB	40 dB	60 dB	80 dB	90 dB	95 dB
1	1.73	1.68	1.36	1.26	1.07	1.06	1.05	1.05	1.05	1.07
5	1.71	1.67	1.35	1.25	1.05	1.04	1.02	1.02	1.03	1.05
10	1.71	1.67	1.35	1.25	1.05	1.04	1.02	1.02	1.02	1.05
20	1.71	1.67	1.35	1.25	1.05	1.04	1.02	1.02	1.02	1.05
50	1.71	1.66	1.34	1.25	1.05	1.04	1.02	1.02	1.02	1.05
100	1.69	1.65	1.34	1.24	1.05	1.04	1.02	1.02	1.02	1.05
200	1.64	1.61	1.32	1.23	1.05	1.04	1.02	1.02	1.03	1.05
300	1.58	1.55	1.30	1.23	1.05	1.04	1.03	1.03	1.02	1.04
500	1.42	1.42	1.25	1.21	1.06	1.03	1.04	1.04	1.02	1.04
700	1.27	1.28	1.21	1.20	1.07	1.03	1.05	1.05	1.03	1.04
900	1.14	1.17	1.18	1.20	1.07	1.03	1.06	1.06	1.04	1.03
1000	1.11	1.14	1.18	1.20	1.08	1.03	1.07	1.07	1.04	1.03
1200	1.13	1.14	1.20	1.22	1.08	1.03	1.08	1.08	1.05	1.04
1400	1.19	1.18	1.23	1.24	1.09	1.04	1.09	1.09	1.06	1.04
1500	1.21	1.19	1.24	1.25	1.10	1.04	1.09	1.09	1.06	1.04
1600	1.22	1.19	1.24	1.25	1.10	1.04	1.09	1.09	1.06	1.04
1800	1.19	1.17	1.24	1.25	1.11	1.05	1.10	1.10	1.07	1.05
2000	1.13	1.12	1.22	1.25	1.12	1.05	1.11	1.11	1.08	1.05
2100	1.13	1.13	1.22	1.26	1.13	1.06	1.11	1.11	1.08	1.05
2200	1.14	1.15	1.23	1.26	1.13	1.06	1.11	1.11	1.08	1.06
2400	1.24	1.25	1.26	1.27	1.14	1.07	1.11	1.11	1.09	1.06
2500	1.31	1.31	1.28	1.28	1.15	1.07	1.11	1.11	1.09	1.06
2700	1.44	1.43	1.33	1.31	1.16	1.08	1.11	1.11	1.09	1.07
2800	1.49	1.49	1.35	1.31	1.16	1.08	1.10	1.10	1.08	1.07
3000	1.56	1.56	1.38	1.33	1.16	1.08	1.09	1.09	1.08	1.07
3100	1.57	1.57	1.38	1.33	1.16	1.08	1.09	1.09	1.08	1.07
3300	1.54	1.54	1.37	1.32	1.15	1.09	1.08	1.08	1.08	1.08
3400	1.49	1.50	1.35	1.31	1.14	1.09	1.07	1.07	1.07	1.08
3600	1.38	1.40	1.30	1.28	1.13	1.09	1.06	1.06	1.07	1.08
3700	1.31	1.34	1.27	1.26	1.12	1.09	1.06	1.06	1.06	1.08
3900	1.20	1.22	1.22	1.23	1.11	1.09	1.06	1.06	1.06	1.09
4000	1.15	1.18	1.20	1.22	1.10	1.09	1.06	1.06	1.06	1.09
4200	1.11	1.12	1.17	1.19	1.09	1.10	1.07	1.07	1.06	1.10
4300	1.11	1.11	1.16	1.18	1.08	1.10	1.08	1.08	1.07	1.10
4500	1.12	1.10	1.15	1.16	1.08	1.11	1.10	1.10	1.08	1.11
4600	1.11	1.09	1.14	1.15	1.07	1.11	1.11	1.11	1.09	1.11
4800	1.08	1.06	1.11	1.11	1.06	1.12	1.14	1.14	1.11	1.13
4900	1.06	1.04	1.09	1.10	1.06	1.13	1.15	1.15	1.12	1.14
5100	1.02	1.01	1.05	1.06	1.06	1.15	1.18	1.18	1.15	1.16
5200	1.03	1.03	1.04	1.05	1.07	1.16	1.20	1.20	1.16	1.17
5400	1.06	1.06	1.04	1.06	1.09	1.18	1.23	1.23	1.19	1.19
5500	1.06	1.06	1.05	1.07	1.11	1.19	1.25	1.25	1.21	1.20
5700	1.03	1.03	1.08	1.12	1.15	1.22	1.29	1.29	1.25	1.23
5800	1.01	1.02	1.11	1.15	1.17	1.23	1.30	1.30	1.26	1.24
6000	1.12	1.11	1.19	1.21	1.23	1.26	1.34	1.34	1.30	1.28
6100	1.20	1.18	1.24	1.25	1.25	1.28	1.35	1.35	1.32	1.29
6300	1.38	1.35	1.35	1.34	1.31	1.31	1.38	1.38	1.36	1.32
6400	1.47	1.45	1.41	1.38	1.34	1.32	1.39	1.39	1.37	1.33
6600	1.63	1.60	1.52	1.46	1.40	1.35	1.40	1.40	1.40	1.35
6700	1.67	1.65	1.56	1.49	1.42	1.36	1.41	1.41	1.42	1.37
6900	1.69	1.69	1.60	1.54	1.46	1.38	1.42	1.42	1.44	1.39
7000	1.67	1.68	1.61	1.56	1.47	1.39	1.41	1.41	1.45	1.40
7200	1.62	1.64	1.61	1.58	1.50	1.41	1.41	1.41	1.47	1.41
7300	1.60	1.63	1.60	1.59	1.50	1.41	1.40	1.40	1.47	1.41
7500	1.62	1.63	1.61	1.61	1.50	1.42	1.38	1.38	1.48	1.42
7600	1.64	1.65	1.61	1.61	1.50	1.42	1.36	1.36	1.47	1.42
7800	1.67	1.67	1.63	1.63	1.51	1.42	1.34	1.34	1.47	1.42
7900	1.66	1.66	1.63	1.64	1.51	1.42	1.32	1.32	1.46	1.41
8000	1.63	1.63	1.62	1.64	1.51	1.41	1.30	1.30	1.45	1.40

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Programmable Attenuator

RC8DAT-8G-95

Typical Performance Data @ 50°C

FREQUENCY (MHz)	IP3 (dBm)
1	38.97
5	50.11
10	51.62
50	54.94
100	57.35
250	55.21
500	54.51
750	54.37
1000	53.04
2000	55.30
3000	57.67
4000	53.73
5000	55.36
6000	54.27
7000	54.43
8000	52.99

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