

Programmable Attenuator

RC4DAT-6G-30

Typical Performance Data @ 0°C

FREQUENCY (MHz)	Attenuation relative to Insertion Loss (dB)								
	0.25 dB	1 dB	5 dB	10 dB	15 dB	20 dB	25 dB	27.5 dB	30 dB
1	0.27	1.02	9.64	9.64	14.77	19.86	24.75	27.29	29.88
5	0.27	1.02	9.64	9.64	14.77	19.86	24.75	27.29	29.88
10	0.27	1.02	9.64	9.64	14.77	19.86	24.75	27.29	29.88
20	0.27	1.02	9.65	9.65	14.77	19.86	24.75	27.29	29.88
50	0.27	1.02	9.65	9.65	14.77	19.86	24.75	27.29	29.88
100	0.27	1.02	9.64	9.64	14.77	19.86	24.75	27.29	29.88
200	0.27	1.02	9.65	9.65	14.78	19.86	24.75	27.29	29.88
500	0.26	1.02	9.67	9.67	14.80	19.88	24.77	27.31	29.89
750	0.26	1.02	9.67	9.67	14.79	19.88	24.76	27.30	29.88
1000	0.26	1.02	9.65	9.65	14.77	19.86	24.74	27.28	29.85
1500	0.26	1.02	9.61	9.61	14.72	19.81	24.69	27.23	29.82
2000	0.27	1.03	9.61	9.61	14.73	19.83	24.74	27.28	29.88
2500	0.26	1.03	9.62	9.62	14.76	19.89	24.85	27.40	30.03
3000	0.26	1.03	9.68	9.68	14.86	20.01	25.00	27.58	30.24
3500	0.27	1.05	9.80	9.80	15.01	20.18	25.20	27.81	30.48
4000	0.28	1.05	9.83	9.83	15.05	20.24	25.32	27.93	30.61
4500	0.29	1.06	9.86	9.86	15.11	20.31	25.44	28.05	30.75
5000	0.31	1.07	9.93	9.93	15.19	20.41	25.57	28.18	30.87
5500	0.32	1.08	9.94	9.94	15.19	20.41	25.60	28.17	30.84
6000	0.33	1.11	9.95	9.95	15.21	20.44	25.69	28.22	30.85

FREQUENCY (MHz)	Attenuation accuracy relative to nominal attenuation setting (dB)								
	0.25 dB	1 dB	5 dB	10 dB	15 dB	20 dB	25 dB	27.5 dB	30 dB
1	-0.02	-0.02	0.17	0.36	0.23	0.14	0.25	0.21	0.12
5	-0.02	-0.02	0.17	0.36	0.23	0.14	0.25	0.21	0.12
10	-0.02	-0.02	0.17	0.36	0.23	0.14	0.25	0.21	0.12
20	-0.02	-0.02	0.17	0.35	0.23	0.14	0.25	0.21	0.12
50	-0.02	-0.02	0.17	0.35	0.23	0.14	0.25	0.21	0.12
100	-0.02	-0.02	0.17	0.36	0.23	0.15	0.25	0.21	0.13
200	-0.02	-0.02	0.16	0.35	0.22	0.14	0.25	0.21	0.12
500	-0.01	-0.02	0.15	0.33	0.20	0.12	0.23	0.19	0.11
750	-0.01	-0.02	0.15	0.33	0.21	0.12	0.24	0.20	0.12
1000	-0.01	-0.02	0.16	0.35	0.23	0.14	0.26	0.22	0.15
1500	-0.01	-0.02	0.19	0.39	0.28	0.19	0.31	0.27	0.18
2000	-0.01	-0.03	0.19	0.39	0.27	0.17	0.26	0.22	0.12
2500	-0.01	-0.03	0.18	0.38	0.24	0.11	0.15	0.10	-0.02
3000	-0.01	-0.03	0.15	0.32	0.14	-0.01	0.00	-0.08	-0.24
3500	-0.02	-0.04	0.07	0.20	-0.01	-0.18	-0.20	-0.31	-0.48
4000	-0.03	-0.05	0.04	0.17	-0.05	-0.24	-0.32	-0.43	-0.61
4500	-0.04	-0.06	0.01	0.14	-0.11	-0.31	-0.44	-0.55	-0.75
5000	-0.06	-0.07	-0.05	0.07	-0.19	-0.41	-0.57	-0.67	-0.87
5500	-0.07	-0.08	-0.07	0.06	-0.19	-0.41	-0.60	-0.67	-0.83
6000	-0.08	-0.11	-0.08	0.05	-0.21	-0.44	-0.69	-0.72	-0.85

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/MCLStore/terms.jsp



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Typical Performance Data @ 0°C

FREQUENCY (MHz)	Input VSWR (:1)								
	0.25 dB	1 dB	5 dB	10 dB	15 dB	20 dB	25 dB	27.5 dB	30 dB
1	1.22	1.23	1.24	1.24	1.21	1.19	1.17	1.14	1.12
5	1.22	1.23	1.24	1.24	1.20	1.19	1.16	1.14	1.12
10	1.22	1.23	1.24	1.24	1.20	1.18	1.16	1.14	1.12
20	1.22	1.23	1.24	1.24	1.20	1.18	1.16	1.14	1.12
50	1.22	1.23	1.25	1.24	1.21	1.19	1.17	1.15	1.13
100	1.22	1.23	1.25	1.25	1.22	1.20	1.18	1.16	1.13
200	1.23	1.24	1.26	1.25	1.22	1.20	1.18	1.16	1.14
500	1.20	1.20	1.20	1.19	1.16	1.15	1.13	1.12	1.10
750	1.18	1.18	1.17	1.16	1.13	1.12	1.10	1.09	1.08
1000	1.19	1.19	1.17	1.16	1.13	1.11	1.09	1.08	1.06
1500	1.25	1.24	1.24	1.23	1.20	1.18	1.16	1.14	1.12
2000	1.17	1.19	1.25	1.28	1.27	1.26	1.25	1.23	1.22
2500	1.16	1.19	1.22	1.25	1.28	1.29	1.30	1.31	1.31
3000	1.23	1.23	1.17	1.17	1.22	1.25	1.28	1.31	1.34
3500	1.11	1.11	1.09	1.09	1.14	1.17	1.20	1.24	1.28
4000	1.12	1.10	1.11	1.10	1.09	1.11	1.14	1.17	1.21
4500	1.17	1.14	1.15	1.13	1.10	1.11	1.14	1.17	1.22
5000	1.29	1.26	1.28	1.25	1.19	1.18	1.18	1.20	1.24
5500	1.48	1.45	1.43	1.38	1.28	1.23	1.20	1.17	1.17
6000	1.33	1.33	1.33	1.32	1.25	1.21	1.17	1.13	1.09

FREQUENCY (MHz)	Output VSWR (:1)								
	0.25 dB	1 dB	5 dB	10 dB	15 dB	20 dB	25 dB	27.5 dB	30 dB
1	1.21	1.17	1.05	1.16	1.22	1.23	1.18	1.22	1.19
5	1.21	1.17	1.04	1.16	1.22	1.23	1.18	1.22	1.19
10	1.21	1.17	1.04	1.16	1.22	1.23	1.18	1.22	1.18
20	1.20	1.17	1.03	1.16	1.22	1.23	1.17	1.21	1.18
50	1.21	1.17	1.03	1.15	1.21	1.22	1.17	1.21	1.17
100	1.22	1.18	1.02	1.14	1.19	1.21	1.15	1.19	1.16
200	1.21	1.18	1.04	1.15	1.20	1.21	1.16	1.20	1.17
500	1.18	1.14	1.07	1.19	1.25	1.26	1.21	1.25	1.22
750	1.15	1.11	1.10	1.22	1.29	1.29	1.24	1.28	1.25
1000	1.18	1.14	1.14	1.24	1.31	1.31	1.26	1.30	1.27
1500	1.27	1.23	1.19	1.23	1.28	1.28	1.23	1.27	1.24
2000	1.25	1.22	1.14	1.13	1.15	1.15	1.12	1.14	1.13
2500	1.25	1.24	1.10	1.04	1.06	1.06	1.04	1.05	1.04
3000	1.25	1.24	1.14	1.18	1.23	1.23	1.19	1.21	1.21
3500	1.08	1.06	1.16	1.27	1.36	1.35	1.29	1.34	1.32
4000	1.16	1.11	1.18	1.26	1.35	1.34	1.28	1.32	1.31
4500	1.21	1.16	1.15	1.22	1.30	1.29	1.22	1.27	1.26
5000	1.27	1.21	1.21	1.26	1.35	1.33	1.26	1.31	1.30
5500	1.51	1.43	1.35	1.34	1.41	1.39	1.32	1.37	1.35
6000	1.58	1.51	1.40	1.34	1.32	1.32	1.30	1.31	1.30

Notes

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Typical Performance Data @ 0°C

FREQUENCY (MHz)	IP3 (dBm)	Insertion Loss (dB)
1	44.20	0.94
5	47.72	0.95
10	52.11	0.95
20	52.19	0.96
50	52.44	0.98
100	52.36	1.02
200	52.47	1.06
500	52.22	1.19
750	52.44	1.32
1000	52.65	1.47
1500	53.05	1.77
2000	53.72	1.99
2500	52.38	2.20
3000	53.58	2.39
3500	52.33	2.53
4000	54.12	2.74
4500	52.01	2.95
5000	53.43	3.22
5500	53.16	3.59
6000	49.98	3.82

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Programmable Attenuator

RC4DAT-6G-30

Typical Performance Data @ +25°C

FREQUENCY (MHz)	Attenuation relative to Insertion Loss (dB)								
	0.25 dB	1 dB	5 dB	10 dB	15 dB	20 dB	25 dB	27.5 dB	30 dB
1	0.27	1.03	9.64	9.64	14.76	19.85	24.74	27.28	29.88
5	0.27	1.02	9.64	9.64	14.76	19.84	24.74	27.28	29.88
10	0.27	1.02	9.64	9.64	14.76	19.84	24.74	27.28	29.88
20	0.27	1.02	9.64	9.64	14.76	19.85	24.75	27.29	29.88
50	0.27	1.03	9.64	9.64	14.76	19.85	24.75	27.29	29.88
100	0.27	1.03	9.64	9.64	14.77	19.86	24.75	27.29	29.89
200	0.27	1.03	9.65	9.65	14.77	19.86	24.76	27.30	29.89
500	0.26	1.03	9.67	9.67	14.79	19.88	24.77	27.31	29.90
750	0.26	1.03	9.67	9.67	14.79	19.88	24.77	27.31	29.89
1000	0.26	1.03	9.65	9.65	14.77	19.86	24.74	27.28	29.87
1500	0.26	1.02	9.59	9.59	14.68	19.77	24.66	27.20	29.79
2000	0.27	1.03	9.59	9.59	14.69	19.79	24.71	27.24	29.85
2500	0.27	1.04	9.61	9.61	14.73	19.86	24.83	27.37	30.00
3000	0.26	1.03	9.65	9.65	14.82	19.97	24.97	27.54	30.19
3500	0.27	1.05	9.81	9.81	15.02	20.19	25.21	27.80	30.47
4000	0.29	1.06	9.86	9.86	15.07	20.25	25.30	27.90	30.57
4500	0.29	1.06	9.86	9.86	15.08	20.27	25.37	27.97	30.66
5000	0.31	1.08	9.91	9.91	15.15	20.35	25.50	28.10	30.80
5500	0.32	1.08	9.90	9.90	15.14	20.34	25.52	28.10	30.77
6000	0.33	1.10	9.91	9.91	15.14	20.35	25.58	28.11	30.73

FREQUENCY (MHz)	Attenuation accuracy relative to nominal attenuation setting (dB)								
	0.25 dB	1 dB	5 dB	10 dB	15 dB	20 dB	25 dB	27.5 dB	30 dB
1	-0.01	-0.02	0.20	0.40	0.29	0.21	0.33	0.29	0.21
5	-0.01	-0.02	0.20	0.40	0.29	0.21	0.32	0.29	0.21
10	-0.01	-0.02	0.20	0.40	0.29	0.21	0.32	0.29	0.21
20	-0.01	-0.02	0.19	0.40	0.29	0.21	0.32	0.29	0.20
50	-0.01	-0.02	0.19	0.39	0.28	0.20	0.32	0.28	0.20
100	-0.01	-0.02	0.19	0.39	0.28	0.20	0.31	0.28	0.20
200	-0.01	-0.02	0.19	0.39	0.28	0.20	0.31	0.28	0.20
500	-0.01	-0.02	0.18	0.38	0.27	0.19	0.31	0.28	0.20
750	-0.01	-0.02	0.18	0.38	0.27	0.19	0.32	0.28	0.21
1000	-0.01	-0.02	0.19	0.39	0.29	0.21	0.34	0.30	0.23
1500	-0.01	-0.02	0.21	0.42	0.33	0.25	0.37	0.34	0.26
2000	-0.02	-0.03	0.20	0.41	0.32	0.23	0.32	0.28	0.18
2500	-0.01	-0.03	0.19	0.40	0.28	0.17	0.21	0.17	0.04
3000	-0.01	-0.03	0.17	0.35	0.20	0.06	0.06	-0.01	-0.16
3500	-0.02	-0.04	0.10	0.26	0.07	-0.09	-0.12	-0.21	-0.39
4000	-0.03	-0.05	0.07	0.22	0.02	-0.16	-0.23	-0.33	-0.53
4500	-0.04	-0.06	0.03	0.18	-0.04	-0.24	-0.37	-0.48	-0.70
5000	-0.06	-0.08	-0.04	0.10	-0.14	-0.34	-0.51	-0.62	-0.84
5500	-0.07	-0.08	-0.05	0.11	-0.13	-0.32	-0.51	-0.59	-0.78
6000	-0.08	-0.12	-0.09	0.06	-0.19	-0.40	-0.67	-0.70	-0.86

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Typical Performance Data @ +25°C

FREQUENCY (MHz)	Input VSWR (:1)								
	0.25 dB	1 dB	5 dB	10 dB	15 dB	20 dB	25 dB	27.5 dB	30 dB
1	1.24	1.26	1.29	1.30	1.26	1.24	1.22	1.20	1.18
5	1.24	1.25	1.29	1.30	1.26	1.24	1.22	1.20	1.18
10	1.24	1.25	1.29	1.30	1.26	1.24	1.22	1.20	1.18
20	1.23	1.25	1.29	1.29	1.26	1.24	1.22	1.20	1.18
50	1.24	1.25	1.29	1.30	1.26	1.24	1.22	1.20	1.18
100	1.24	1.26	1.29	1.30	1.26	1.24	1.22	1.20	1.18
200	1.24	1.26	1.29	1.29	1.26	1.24	1.22	1.20	1.18
500	1.22	1.23	1.25	1.25	1.22	1.21	1.19	1.17	1.16
750	1.19	1.20	1.22	1.22	1.19	1.17	1.16	1.14	1.13
1000	1.20	1.20	1.21	1.20	1.17	1.16	1.14	1.13	1.11
1500	1.25	1.25	1.27	1.27	1.23	1.22	1.20	1.18	1.16
2000	1.18	1.20	1.28	1.32	1.31	1.30	1.29	1.28	1.27
2500	1.16	1.19	1.24	1.28	1.31	1.32	1.33	1.34	1.35
3000	1.22	1.21	1.17	1.17	1.23	1.25	1.28	1.31	1.35
3500	1.10	1.09	1.06	1.06	1.12	1.15	1.19	1.23	1.28
4000	1.12	1.09	1.10	1.08	1.05	1.08	1.12	1.16	1.21
4500	1.16	1.13	1.14	1.12	1.07	1.08	1.11	1.16	1.21
5000	1.28	1.26	1.28	1.25	1.17	1.15	1.15	1.18	1.22
5500	1.52	1.49	1.46	1.42	1.29	1.24	1.19	1.15	1.14
6000	1.33	1.33	1.36	1.36	1.30	1.27	1.23	1.19	1.14

FREQUENCY (MHz)	Output VSWR (:1)								
	0.25 dB	1 dB	5 dB	10 dB	15 dB	20 dB	25 dB	27.5 dB	30 dB
1	1.23	1.20	1.02	1.11	1.17	1.17	1.12	1.16	1.13
5	1.23	1.19	1.01	1.11	1.16	1.17	1.12	1.16	1.13
10	1.22	1.19	1.01	1.11	1.16	1.17	1.12	1.16	1.13
20	1.22	1.19	1.00	1.11	1.16	1.17	1.12	1.16	1.13
50	1.22	1.19	1.01	1.10	1.16	1.17	1.12	1.15	1.12
100	1.23	1.20	1.01	1.10	1.16	1.17	1.12	1.15	1.12
200	1.23	1.20	1.02	1.11	1.16	1.17	1.12	1.16	1.13
500	1.19	1.16	1.03	1.14	1.19	1.20	1.15	1.19	1.16
750	1.16	1.13	1.06	1.17	1.23	1.23	1.18	1.22	1.19
1000	1.18	1.14	1.11	1.19	1.25	1.25	1.20	1.24	1.21
1500	1.28	1.24	1.18	1.20	1.24	1.23	1.19	1.22	1.20
2000	1.27	1.24	1.15	1.12	1.13	1.12	1.11	1.12	1.11
2500	1.25	1.24	1.11	1.05	1.03	1.03	1.05	1.03	1.04
3000	1.24	1.23	1.13	1.15	1.19	1.19	1.16	1.18	1.17
3500	1.09	1.07	1.11	1.21	1.29	1.28	1.23	1.27	1.25
4000	1.16	1.11	1.13	1.20	1.28	1.27	1.21	1.26	1.24
4500	1.19	1.14	1.12	1.17	1.25	1.24	1.18	1.22	1.21
5000	1.26	1.20	1.21	1.25	1.34	1.32	1.25	1.30	1.29
5500	1.56	1.47	1.39	1.35	1.41	1.38	1.32	1.37	1.36
6000	1.55	1.50	1.39	1.32	1.31	1.29	1.29	1.29	1.29

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Typical Performance Data @ +25°C

FREQUENCY (MHz)	IP3 (dBm)	Insertion Loss (dB)
1	44.17	1.01
5	47.81	1.01
10	52.36	1.02
20	52.38	1.02
50	52.45	1.04
100	52.42	1.08
200	52.63	1.11
500	52.19	1.26
750	52.51	1.40
1000	52.82	1.55
1500	52.96	1.86
2000	53.84	2.10
2500	53.56	2.31
3000	53.97	2.49
3500	52.12	2.64
4000	54.17	2.86
4500	53.09	3.08
5000	53.70	3.37
5500	52.96	3.77
6000	51.30	3.97

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Programmable Attenuator

RC4DAT-6G-30

Typical Performance Data @ +50°C

FREQUENCY (MHz)	Attenuation relative to Insertion Loss (dB)								
	0.25 dB	1 dB	5 dB	10 dB	15 dB	20 dB	25 dB	27.5 dB	30 dB
1	0.26	1.02	9.58	9.58	14.68	19.75	24.64	27.16	29.75
5	0.27	1.02	9.58	9.58	14.68	19.75	24.64	27.16	29.75
10	0.26	1.02	9.58	9.58	14.68	19.75	24.64	27.16	29.75
20	0.26	1.02	9.58	9.58	14.69	19.76	24.64	27.17	29.75
50	0.27	1.02	9.59	9.59	14.69	19.76	24.65	27.17	29.76
100	0.26	1.02	9.59	9.59	14.69	19.77	24.65	27.18	29.76
200	0.26	1.02	9.59	9.59	14.70	19.77	24.65	27.18	29.76
500	0.26	1.02	9.60	9.60	14.70	19.77	24.65	27.17	29.75
750	0.26	1.02	9.60	9.60	14.70	19.77	24.64	27.17	29.75
1000	0.26	1.02	9.59	9.59	14.69	19.76	24.63	27.16	29.73
1500	0.26	1.02	9.57	9.57	14.65	19.72	24.60	27.13	29.71
2000	0.27	1.03	9.58	9.58	14.67	19.75	24.66	27.19	29.79
2500	0.27	1.04	9.59	9.59	14.71	19.82	24.77	27.31	29.94
3000	0.26	1.03	9.63	9.63	14.78	19.91	24.91	27.47	30.13
3500	0.27	1.04	9.72	9.72	14.90	20.05	25.08	27.67	30.34
4000	0.28	1.05	9.76	9.76	14.95	20.12	25.19	27.79	30.49
4500	0.29	1.06	9.80	9.80	15.02	20.21	25.34	27.95	30.67
5000	0.31	1.08	9.88	9.88	15.12	20.31	25.48	28.08	30.81
5500	0.33	1.09	9.87	9.87	15.09	20.27	25.47	28.04	30.74
6000	0.34	1.13	9.94	9.94	15.18	20.39	25.68	28.20	30.88

FREQUENCY (MHz)	Attenuation accuracy relative to nominal attenuation setting (dB)								
	0.25 dB	1 dB	5 dB	10 dB	15 dB	20 dB	25 dB	27.5 dB	30 dB
1	-0.01	-0.02	0.20	0.42	0.32	0.25	0.36	0.34	0.25
5	-0.01	-0.02	0.20	0.42	0.32	0.25	0.36	0.34	0.25
10	-0.01	-0.02	0.20	0.42	0.32	0.25	0.36	0.34	0.25
20	-0.01	-0.02	0.20	0.42	0.31	0.24	0.36	0.33	0.25
50	-0.01	-0.02	0.20	0.41	0.31	0.24	0.35	0.33	0.24
100	-0.01	-0.02	0.20	0.41	0.31	0.23	0.35	0.32	0.24
200	-0.01	-0.02	0.20	0.41	0.30	0.23	0.35	0.32	0.24
500	-0.01	-0.02	0.19	0.40	0.30	0.23	0.35	0.33	0.25
750	-0.01	-0.02	0.19	0.40	0.30	0.23	0.36	0.33	0.25
1000	-0.01	-0.02	0.20	0.41	0.31	0.24	0.37	0.34	0.27
1500	-0.01	-0.02	0.21	0.43	0.35	0.28	0.40	0.38	0.29
2000	-0.02	-0.03	0.20	0.42	0.33	0.25	0.34	0.31	0.21
2500	-0.02	-0.04	0.19	0.41	0.29	0.18	0.23	0.19	0.06
3000	-0.01	-0.03	0.18	0.37	0.22	0.09	0.09	0.03	-0.13
3500	-0.02	-0.04	0.11	0.28	0.10	-0.05	-0.08	-0.17	-0.34
4000	-0.03	-0.05	0.08	0.24	0.05	-0.11	-0.19	-0.29	-0.49
4500	-0.04	-0.06	0.04	0.20	-0.02	-0.21	-0.34	-0.44	-0.67
5000	-0.06	-0.08	-0.03	0.12	-0.12	-0.31	-0.48	-0.58	-0.81
5500	-0.08	-0.09	-0.04	0.13	-0.09	-0.27	-0.47	-0.54	-0.74
6000	-0.09	-0.13	-0.10	0.06	-0.18	-0.39	-0.68	-0.70	-0.88

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Programmable Attenuator

RC4DAT-6G-30

Typical Performance Data @ +50°C

FREQUENCY (MHz)	Input VSWR (:1)								
	0.25 dB	1 dB	5 dB	10 dB	15 dB	20 dB	25 dB	27.5 dB	30 dB
1	1.25	1.27	1.32	1.33	1.30	1.28	1.26	1.24	1.21
5	1.25	1.27	1.32	1.33	1.30	1.28	1.26	1.24	1.21
10	1.25	1.27	1.32	1.33	1.30	1.28	1.26	1.24	1.21
20	1.25	1.27	1.32	1.33	1.30	1.28	1.26	1.24	1.21
50	1.25	1.27	1.32	1.33	1.30	1.28	1.26	1.24	1.21
100	1.26	1.27	1.32	1.33	1.30	1.28	1.26	1.23	1.21
200	1.25	1.27	1.31	1.32	1.29	1.27	1.25	1.23	1.21
500	1.23	1.24	1.28	1.29	1.26	1.24	1.23	1.21	1.19
750	1.20	1.21	1.24	1.25	1.22	1.21	1.20	1.18	1.17
1000	1.20	1.21	1.23	1.23	1.21	1.19	1.18	1.16	1.15
1500	1.26	1.26	1.28	1.29	1.26	1.24	1.22	1.20	1.19
2000	1.19	1.22	1.31	1.35	1.34	1.33	1.32	1.31	1.30
2500	1.16	1.19	1.26	1.31	1.34	1.35	1.36	1.37	1.38
3000	1.22	1.22	1.17	1.18	1.24	1.27	1.30	1.33	1.37
3500	1.10	1.08	1.04	1.04	1.10	1.14	1.18	1.23	1.28
4000	1.11	1.08	1.09	1.07	1.02	1.06	1.10	1.15	1.20
4500	1.14	1.12	1.13	1.11	1.05	1.07	1.11	1.16	1.21
5000	1.29	1.27	1.29	1.26	1.17	1.15	1.15	1.17	1.22
5500	1.55	1.52	1.50	1.45	1.32	1.26	1.20	1.15	1.13
6000	1.33	1.34	1.38	1.39	1.34	1.31	1.27	1.23	1.19

FREQUENCY (MHz)	Output VSWR (:1)								
	0.25 dB	1 dB	5 dB	10 dB	15 dB	20 dB	25 dB	27.5 dB	30 dB
1	1.24	1.21	1.04	1.08	1.13	1.14	1.09	1.13	1.10
5	1.24	1.21	1.03	1.08	1.13	1.14	1.09	1.13	1.10
10	1.23	1.20	1.03	1.08	1.13	1.14	1.09	1.12	1.09
20	1.23	1.20	1.02	1.08	1.13	1.14	1.09	1.12	1.09
50	1.23	1.21	1.03	1.08	1.13	1.14	1.09	1.12	1.09
100	1.24	1.21	1.03	1.08	1.13	1.14	1.09	1.12	1.10
200	1.24	1.21	1.03	1.08	1.13	1.14	1.09	1.13	1.10
500	1.20	1.17	1.01	1.11	1.16	1.17	1.12	1.15	1.12
750	1.17	1.14	1.04	1.13	1.19	1.20	1.14	1.18	1.15
1000	1.18	1.14	1.09	1.16	1.22	1.22	1.17	1.21	1.18
1500	1.28	1.24	1.17	1.18	1.22	1.21	1.17	1.20	1.19
2000	1.28	1.26	1.17	1.12	1.13	1.12	1.11	1.12	1.12
2500	1.26	1.26	1.14	1.08	1.03	1.04	1.08	1.05	1.06
3000	1.25	1.24	1.13	1.14	1.16	1.17	1.15	1.16	1.15
3500	1.09	1.08	1.10	1.19	1.26	1.26	1.20	1.24	1.22
4000	1.16	1.12	1.12	1.18	1.26	1.24	1.18	1.23	1.21
4500	1.19	1.14	1.11	1.15	1.23	1.22	1.15	1.20	1.19
5000	1.27	1.21	1.22	1.25	1.34	1.32	1.25	1.30	1.30
5500	1.60	1.51	1.41	1.35	1.42	1.38	1.32	1.37	1.37
6000	1.56	1.51	1.41	1.33	1.32	1.30	1.31	1.30	1.31

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Programmable Attenuator

RC4DAT-6G-30

Typical Performance Data @ +50°C

FREQUENCY (MHz)	IP3 (dBm)	Insertion Loss (dB)
1	45.02	1.04
5	48.80	1.04
10	53.52	1.05
20	53.41	1.06
50	53.09	1.08
100	52.54	1.11
200	52.02	1.15
500	52.74	1.29
750	53.26	1.43
1000	53.77	1.58
1500	53.70	1.88
2000	52.86	2.12
2500	53.86	2.32
3000	54.80	2.50
3500	51.51	2.64
4000	55.20	2.86
4500	52.01	3.07
5000	52.01	3.37
5500	51.78	3.80
6000	49.96	3.98

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