

# Programmable Attenuator

## RC8DAT-8G-95PE

### Typical Performance Data

Test Conditions: @ Temperature = 0°C.

Freq. (MHz)	Attenuation relative to Insertion Loss (dB)									
	0.25 dB	10 dB	20 dB	30 dB	50 dB	60 dB	70 dB	80 dB	90 dB	95 dB
1	-0.31	-10.25	-19.92	-29.76	-49.15	-58.67	-68.19	-77.83	-86.83	-91.69
50	-0.31	-10.23	-19.90	-29.74	-49.12	-58.60	-68.13	-77.82	-87.23	-92.00
100	-0.30	-10.22	-19.89	-29.73	-49.10	-58.58	-68.09	-77.79	-87.16	-91.96
200	-0.30	-10.18	-19.84	-29.68	-49.05	-58.53	-68.05	-77.74	-87.12	-91.92
300	-0.30	-10.13	-19.78	-29.62	-48.99	-58.47	-68.00	-77.65	-87.07	-91.93
400	-0.29	-10.05	-19.70	-29.54	-48.91	-58.39	-67.93	-77.60	-87.03	-91.77
600	-0.28	-9.90	-19.54	-29.37	-48.75	-58.23	-67.76	-77.46	-86.81	-91.65
800	-0.27	-9.79	-19.43	-29.26	-48.64	-58.14	-67.67	-77.39	-86.79	-91.63
1000	-0.27	-9.75	-19.39	-29.22	-48.61	-58.11	-67.65	-77.38	-86.72	-91.58
1200	-0.27	-9.76	-19.40	-29.23	-48.63	-58.14	-67.72	-77.43	-86.86	-91.59
1400	-0.26	-9.78	-19.42	-29.25	-48.66	-58.19	-67.77	-77.51	-86.96	-91.70
1600	-0.26	-9.78	-19.43	-29.25	-48.68	-58.22	-67.84	-77.57	-86.98	-91.70
1800	-0.26	-9.78	-19.43	-29.25	-48.71	-58.26	-67.88	-77.63	-87.11	-91.93
2000	-0.26	-9.78	-19.44	-29.27	-48.74	-58.31	-67.95	-77.76	-87.18	-91.98
2200	-0.26	-9.81	-19.48	-29.30	-48.81	-58.39	-68.06	-77.88	-87.42	-92.18
2400	-0.26	-9.85	-19.53	-29.36	-48.91	-58.51	-68.22	-78.08	-87.63	-92.68
2600	-0.26	-9.89	-19.60	-29.44	-49.02	-58.62	-68.37	-78.28	-87.80	-92.82
2800	-0.27	-9.94	-19.67	-29.52	-49.14	-58.75	-68.55	-78.49	-88.17	-92.72
3000	-0.27	-9.98	-19.75	-29.60	-49.27	-58.89	-68.73	-78.71	-88.29	-93.15
3200	-0.28	-10.03	-19.82	-29.68	-49.41	-59.04	-68.92	-78.92	-88.57	-93.68
3400	-0.28	-10.06	-19.89	-29.76	-49.54	-59.20	-69.12	-79.14	-88.87	-93.72
3600	-0.28	-10.07	-19.93	-29.83	-49.65	-59.32	-69.30	-79.41	-89.01	-94.35
3800	-0.28	-10.06	-19.94	-29.87	-49.76	-59.46	-69.49	-79.65	-89.55	-94.62
4000	-0.28	-10.03	-19.94	-29.89	-49.83	-59.55	-69.67	-79.87	-89.47	-94.66
4200	-0.28	-9.99	-19.93	-29.91	-49.92	-59.70	-69.82	-80.05	-89.95	-94.86
4400	-0.28	-9.98	-19.95	-29.97	-50.02	-59.82	-70.06	-80.30	-90.11	-95.34
4600	-0.27	-9.99	-20.00	-30.05	-50.18	-60.01	-70.30	-80.61	-90.71	-95.77
4800	-0.27	-10.01	-20.05	-30.15	-50.34	-60.21	-70.55	-80.98	-90.88	-95.87
5000	-0.27	-10.02	-20.10	-30.23	-50.47	-60.41	-70.80	-81.27	-91.37	-96.74
5200	-0.27	-10.03	-20.15	-30.31	-50.61	-60.57	-70.99	-81.46	-91.71	-96.84
5400	-0.27	-10.06	-20.21	-30.41	-50.75	-60.74	-71.22	-81.80	-91.75	-96.92
5600	-0.28	-10.12	-20.31	-30.54	-50.93	-60.93	-71.46	-81.88	-92.16	-97.61
5800	-0.29	-10.22	-20.44	-30.70	-51.11	-61.11	-71.66	-82.21	-92.25	-97.07
6000	-0.31	-10.31	-20.56	-30.84	-51.27	-61.32	-71.83	-82.32	-92.70	-98.17
6200	-0.32	-10.36	-20.64	-30.93	-51.37	-61.39	-71.91	-82.40	-92.72	-97.92
6400	-0.33	-10.33	-20.63	-30.94	-51.37	-61.38	-71.86	-82.26	-92.46	-98.06
6600	-0.33	-10.26	-20.57	-30.90	-51.30	-61.33	-71.79	-82.15	-92.06	-97.00
6800	-0.32	-10.19	-20.51	-30.86	-51.23	-61.21	-71.61	-81.83	-91.74	-97.54
7000	-0.31	-10.17	-20.51	-30.88	-51.20	-61.16	-71.48	-81.57	-91.79	-97.55
7200	-0.31	-10.21	-20.57	-30.98	-51.23	-61.15	-71.39	-81.50	-91.45	-96.41
7400	-0.31	-10.26	-20.65	-31.11	-51.28	-61.11	-71.23	-81.18	-90.90	-96.08
7600	-0.31	-10.29	-20.71	-31.21	-51.30	-61.06	-71.06	-80.88	-90.86	-95.62
7700	-0.31	-10.31	-20.74	-31.25	-51.28	-61.02	-70.95	-80.72	-90.68	-95.36
7800	-0.31	-10.32	-20.77	-31.30	-51.26	-60.98	-70.79	-80.43	-90.59	-95.33
7900	-0.31	-10.36	-20.81	-31.36	-51.26	-60.93	-70.73	-80.10	-90.00	-95.10
8000	-0.32	-10.41	-20.87	-31.43	-51.27	-60.89	-70.54	-79.91	-89.52	-94.62

# Programmable Attenuator

**RC8DAT-8G-95PE**

## Typical Performance Data

Test Conditions: @ Temperature = 0°C.

Freq. (MHz)	Attenuation accuracy relative to nominal attenuation setting (dB)									
	0.25 dB	10 dB	20 dB	30 dB	50 dB	60 dB	70 dB	80 dB	90 dB	95 dB
1	-0.06	-0.25	0.08	0.24	0.85	1.33	1.82	2.17	3.18	3.31
50	-0.06	-0.23	0.10	0.26	0.88	1.40	1.87	2.18	2.77	3.00
100	-0.05	-0.22	0.11	0.27	0.90	1.42	1.91	2.21	2.84	3.04
200	-0.05	-0.18	0.16	0.32	0.95	1.47	1.95	2.26	2.88	3.08
300	-0.05	-0.13	0.22	0.38	1.01	1.53	2.00	2.35	2.93	3.07
400	-0.04	-0.05	0.30	0.46	1.09	1.61	2.07	2.40	2.97	3.23
600	-0.03	0.10	0.46	0.63	1.25	1.77	2.24	2.54	3.19	3.35
800	-0.02	0.21	0.57	0.74	1.36	1.86	2.33	2.61	3.21	3.37
1000	-0.02	0.25	0.61	0.78	1.39	1.89	2.35	2.62	3.28	3.42
1200	-0.02	0.24	0.60	0.77	1.37	1.86	2.28	2.57	3.14	3.41
1400	-0.01	0.22	0.58	0.75	1.34	1.81	2.23	2.49	3.04	3.30
1600	-0.01	0.22	0.57	0.75	1.32	1.78	2.16	2.43	3.02	3.30
1800	-0.01	0.22	0.57	0.75	1.29	1.74	2.12	2.37	2.89	3.07
2000	-0.01	0.22	0.56	0.73	1.26	1.69	2.05	2.24	2.82	3.02
2200	-0.01	0.19	0.52	0.70	1.19	1.61	1.94	2.12	2.58	2.82
2400	-0.01	0.15	0.47	0.64	1.09	1.49	1.78	1.92	2.37	2.32
2600	-0.01	0.11	0.40	0.56	0.98	1.38	1.63	1.72	2.20	2.18
2800	-0.02	0.06	0.33	0.48	0.86	1.25	1.45	1.51	1.83	2.28
3000	-0.02	0.02	0.25	0.40	0.73	1.11	1.27	1.29	1.71	1.85
3200	-0.03	-0.03	0.18	0.32	0.59	0.96	1.08	1.08	1.43	1.32
3400	-0.03	-0.06	0.11	0.24	0.46	0.80	0.88	0.86	1.13	1.29
3600	-0.03	-0.07	0.07	0.17	0.35	0.68	0.70	0.59	0.99	0.65
3800	-0.03	-0.06	0.06	0.13	0.24	0.54	0.51	0.35	0.45	0.38
4000	-0.03	-0.03	0.06	0.11	0.17	0.45	0.33	0.13	0.53	0.34
4200	-0.03	0.01	0.07	0.09	0.08	0.30	0.18	-0.05	0.05	0.14
4400	-0.03	0.02	0.05	0.03	-0.02	0.18	-0.06	-0.30	-0.11	-0.34
4600	-0.02	0.01	0.00	-0.05	-0.18	-0.01	-0.30	-0.61	-0.71	-0.77
4800	-0.02	-0.01	-0.05	-0.15	-0.34	-0.21	-0.55	-0.98	-0.88	-0.87
5000	-0.02	-0.02	-0.10	-0.23	-0.47	-0.41	-0.80	-1.27	-1.37	-1.74
5200	-0.02	-0.03	-0.15	-0.31	-0.61	-0.57	-0.99	-1.46	-1.71	-1.84
5400	-0.02	-0.06	-0.21	-0.41	-0.75	-0.74	-1.22	-1.80	-1.75	-1.92
5600	-0.03	-0.12	-0.31	-0.54	-0.93	-0.93	-1.46	-1.88	-2.16	-2.61
5800	-0.04	-0.22	-0.44	-0.70	-1.11	-1.11	-1.66	-2.21	-2.25	-2.07
6000	-0.06	-0.31	-0.56	-0.84	-1.27	-1.32	-1.83	-2.32	-2.70	-3.17
6200	-0.07	-0.36	-0.64	-0.93	-1.37	-1.39	-1.91	-2.40	-2.72	-2.92
6400	-0.08	-0.33	-0.63	-0.94	-1.37	-1.38	-1.86	-2.26	-2.46	-3.06
6600	-0.08	-0.26	-0.57	-0.90	-1.30	-1.33	-1.79	-2.15	-2.06	-2.00
6800	-0.07	-0.19	-0.51	-0.86	-1.23	-1.21	-1.61	-1.83	-1.74	-2.54
7000	-0.06	-0.17	-0.51	-0.88	-1.20	-1.16	-1.48	-1.57	-1.79	-2.55
7200	-0.06	-0.21	-0.57	-0.98	-1.23	-1.15	-1.39	-1.50	-1.45	-1.41
7400	-0.06	-0.26	-0.65	-1.11	-1.28	-1.11	-1.23	-1.18	-0.90	-1.08
7600	-0.06	-0.29	-0.71	-1.21	-1.30	-1.06	-1.06	-0.88	-0.86	-0.62
7700	-0.06	-0.31	-0.74	-1.25	-1.28	-1.02	-0.95	-0.72	-0.68	-0.36
7800	-0.06	-0.32	-0.77	-1.30	-1.26	-0.98	-0.79	-0.43	-0.59	-0.33
7900	-0.06	-0.36	-0.81	-1.36	-1.26	-0.93	-0.73	-0.10	0.00	-0.10
8000	-0.07	-0.41	-0.87	-1.43	-1.27	-0.89	-0.54	0.09	0.48	0.38

# Programmable Attenuator

**RC8DAT-8G-95PE**

## Typical Performance Data

Test Conditions: @ Temperature = 0°C.

Freq. (MHz)	Return Loss In (dB)									
	0.25 dB	10 dB	20 dB	30 dB	50 dB	60 dB	70 dB	80 dB	90 dB	95 dB
1	-12.16	-21.02	-22.51	-25.83	-28.58	-29.69	-32.06	-31.98	-32.02	-32.03
50	-12.32	-21.29	-22.81	-26.57	-30.11	-31.78	-39.04	-38.80	-38.79	-38.89
100	-12.43	-21.18	-22.62	-26.23	-29.56	-31.11	-41.05	-40.74	-40.59	-40.85
200	-12.88	-21.20	-22.43	-25.85	-28.90	-30.33	-44.49	-44.02	-43.85	-44.26
300	-13.70	-21.64	-22.60	-26.02	-29.00	-30.50	-43.73	-43.31	-43.54	-43.66
400	-14.97	-22.31	-22.91	-26.41	-29.41	-31.06	-41.58	-41.25	-41.41	-41.54
600	-18.22	-23.42	-23.30	-26.87	-29.97	-31.77	-39.05	-38.71	-37.28	-38.57
800	-24.22	-23.72	-22.88	-26.19	-28.82	-30.44	-40.90	-40.46	-37.15	-39.78
1000	-30.65	-23.77	-22.66	-25.93	-28.27	-29.83	-39.93	-39.61	-35.55	-38.62
1200	-25.05	-23.39	-22.34	-25.59	-27.66	-29.13	-38.39	-38.22	-33.97	-37.15
1400	-22.12	-23.22	-22.17	-25.52	-27.35	-28.82	-38.45	-38.35	-33.48	-37.08
1600	-21.75	-23.19	-22.01	-25.38	-27.01	-28.38	-37.11	-37.12	-32.31	-35.87
1800	-23.12	-23.27	-21.89	-25.22	-26.70	-27.94	-35.58	-35.63	-31.08	-34.46
2000	-25.06	-23.26	-21.83	-25.13	-26.49	-27.60	-34.99	-35.12	-30.47	-33.91
2200	-23.94	-22.82	-21.68	-24.92	-26.19	-27.16	-34.43	-34.61	-29.98	-33.40
2400	-20.94	-22.21	-21.61	-24.83	-26.08	-26.88	-33.97	-34.16	-29.53	-32.95
2600	-18.38	-21.56	-21.58	-24.86	-26.17	-26.82	-34.18	-34.40	-29.47	-33.09
2800	-16.52	-20.81	-21.41	-24.78	-26.12	-26.68	-35.16	-35.41	-30.04	-33.93
3000	-15.48	-20.38	-21.41	-24.97	-26.38	-26.90	-36.85	-37.14	-30.77	-35.31
3200	-15.15	-20.32	-21.59	-25.47	-26.95	-27.50	-40.12	-40.48	-31.58	-37.72
3400	-15.43	-20.39	-21.65	-25.77	-27.09	-27.78	-45.18	-45.83	-32.55	-41.09
3600	-16.68	-20.83	-21.77	-26.11	-27.08	-28.00	-54.02	-53.75	-33.72	-49.39
3800	-19.45	-21.90	-22.29	-27.08	-27.51	-28.84	-44.07	-43.49	-33.41	-48.32
4000	-24.88	-23.14	-22.79	-27.96	-27.52	-29.27	-37.35	-37.04	-32.59	-39.64
4200	-34.14	-24.19	-23.27	-28.63	-27.15	-29.18	-33.30	-33.07	-31.27	-34.83
4400	-28.62	-25.45	-24.38	-30.09	-27.32	-29.64	-29.83	-29.64	-28.55	-30.77
4600	-25.45	-26.65	-25.88	-31.39	-27.61	-29.98	-27.48	-27.30	-26.23	-28.13
4800	-25.60	-27.80	-27.57	-31.20	-27.47	-29.56	-25.74	-25.58	-24.55	-26.26
5000	-28.65	-29.60	-30.13	-30.40	-27.44	-29.19	-24.30	-24.16	-23.04	-24.73
5200	-34.03	-31.67	-33.77	-28.78	-27.04	-28.39	-23.04	-22.91	-21.75	-23.41
5400	-31.69	-31.32	-34.36	-26.55	-25.62	-26.71	-21.90	-21.79	-20.77	-22.27
5600	-28.73	-31.17	-32.89	-24.72	-24.36	-25.29	-20.73	-20.64	-19.65	-21.07
5800	-29.06	-30.76	-29.81	-23.08	-23.04	-23.88	-19.59	-19.51	-18.55	-19.92
6000	-33.00	-29.30	-26.92	-21.59	-21.64	-22.46	-18.53	-18.47	-17.56	-18.85
6200	-32.16	-27.13	-24.55	-20.16	-20.25	-21.02	-17.40	-17.35	-16.48	-17.70
6400	-24.32	-24.90	-22.96	-19.08	-19.17	-19.88	-16.44	-16.40	-15.54	-16.73
6600	-20.09	-22.71	-21.56	-18.04	-18.10	-18.74	-15.48	-15.45	-14.60	-15.75
6800	-17.94	-20.85	-20.26	-17.03	-17.10	-17.61	-14.50	-14.48	-13.65	-14.75
7000	-17.38	-19.55	-19.20	-16.21	-16.31	-16.69	-13.65	-13.62	-12.79	-13.87
7200	-17.70	-18.50	-18.18	-15.50	-15.68	-15.91	-12.91	-12.88	-12.04	-13.11
7400	-17.33	-17.42	-17.14	-14.91	-15.20	-15.28	-12.30	-12.28	-11.42	-12.49
7600	-15.46	-16.10	-16.00	-14.38	-14.82	-14.78	-11.80	-11.78	-10.90	-11.98
7700	-14.46	-15.41	-15.43	-14.13	-14.64	-14.55	-11.59	-11.56	-10.68	-11.75
7800	-13.59	-14.72	-14.83	-13.88	-14.47	-14.33	-11.39	-11.37	-10.48	-11.55
7900	-12.96	-14.08	-14.27	-13.67	-14.32	-14.15	-11.23	-11.21	-10.31	-11.38
8000	-12.50	-13.44	-13.71	-13.43	-14.15	-13.95	-11.07	-11.04	-10.14	-11.21

# Programmable Attenuator

**RC8DAT-8G-95PE**

## Typical Performance Data

Test Conditions: @ Temperature = 0°C.

Freq. (MHz)	Return Loss Out (dB)									
	0.25 dB	10 dB	20 dB	30 dB	50 dB	60 dB	70 dB	80 dB	90 dB	95 dB
1	-12.19	-22.18	-31.41	-26.60	-23.83	-28.33	-28.33	-28.31	-24.84	-23.50
50	-12.31	-22.42	-38.17	-28.74	-25.11	-31.35	-31.36	-31.33	-26.37	-24.71
100	-12.39	-22.20	-40.72	-29.54	-25.64	-32.37	-32.37	-32.34	-26.96	-25.21
200	-12.95	-22.40	-41.66	-29.92	-25.90	-32.81	-32.82	-32.77	-27.24	-25.45
300	-13.76	-23.17	-38.61	-29.07	-25.33	-31.45	-31.45	-31.43	-26.56	-24.91
400	-14.56	-23.35	-40.23	-29.54	-25.57	-31.69	-31.70	-31.69	-26.78	-25.12
600	-17.49	-23.78	-42.80	-30.33	-25.94	-32.03	-32.02	-32.02	-27.07	-25.40
800	-21.97	-23.49	-41.84	-31.07	-26.26	-31.76	-31.76	-31.78	-27.23	-25.65
1000	-27.66	-22.38	-38.09	-32.02	-26.80	-31.67	-31.66	-31.69	-27.59	-26.11
1200	-25.39	-20.91	-34.07	-33.08	-27.72	-31.81	-31.80	-31.83	-28.27	-26.92
1400	-21.94	-19.80	-31.69	-33.97	-28.82	-32.31	-32.31	-32.34	-29.17	-27.92
1600	-20.90	-19.14	-29.78	-34.04	-30.02	-32.62	-32.63	-32.63	-30.09	-29.04
1800	-22.11	-18.98	-28.49	-33.08	-30.72	-32.30	-32.30	-32.28	-30.46	-29.77
2000	-25.18	-19.04	-27.60	-32.53	-31.80	-32.36	-32.36	-32.33	-31.17	-30.91
2200	-24.99	-19.03	-26.90	-32.40	-34.21	-32.99	-32.98	-32.94	-32.87	-33.38
2400	-20.36	-18.95	-26.52	-32.15	-36.39	-33.31	-33.30	-33.28	-34.17	-35.88
2600	-16.77	-18.77	-26.59	-32.60	-40.05	-34.43	-34.42	-34.41	-36.32	-39.87
2800	-14.59	-18.44	-26.66	-32.69	-46.19	-35.25	-35.22	-35.22	-39.20	-50.62
3000	-13.49	-18.24	-26.92	-32.53	-43.10	-35.54	-35.50	-35.52	-42.30	-45.62
3200	-13.44	-18.41	-27.53	-32.17	-36.82	-34.97	-34.94	-34.94	-40.82	-36.79
3400	-14.38	-18.89	-28.03	-30.92	-32.41	-32.56	-32.54	-32.53	-35.47	-32.21
3600	-16.35	-19.50	-27.98	-29.25	-29.54	-29.92	-29.92	-29.89	-31.79	-29.34
3800	-19.70	-20.28	-27.98	-28.01	-27.48	-27.73	-27.73	-27.71	-29.10	-27.20
4000	-24.37	-21.04	-27.69	-26.78	-25.62	-25.60	-25.59	-25.58	-26.67	-25.28
4200	-27.41	-21.69	-27.40	-25.79	-24.16	-23.84	-23.84	-23.83	-24.77	-23.76
4400	-26.93	-22.55	-27.81	-25.36	-23.24	-22.64	-22.64	-22.64	-23.48	-22.76
4600	-27.44	-23.91	-28.37	-24.93	-22.40	-21.58	-21.57	-21.57	-22.31	-21.85
4800	-30.32	-25.85	-28.71	-24.41	-21.66	-20.67	-20.66	-20.66	-21.32	-21.06
5000	-32.73	-27.70	-28.60	-23.99	-21.15	-20.02	-20.02	-20.02	-20.60	-20.52
5200	-31.55	-28.57	-27.03	-23.19	-20.52	-19.34	-19.34	-19.34	-19.84	-19.91
5400	-31.02	-27.49	-24.99	-22.24	-19.87	-18.69	-18.69	-18.69	-19.12	-19.30
5600	-36.57	-25.15	-23.00	-21.30	-19.32	-18.19	-18.19	-18.19	-18.52	-18.80
5800	-37.81	-22.74	-21.13	-20.28	-18.72	-17.70	-17.70	-17.70	-17.91	-18.28
6000	-24.56	-20.61	-19.43	-19.17	-18.01	-17.11	-17.12	-17.12	-17.22	-17.65
6200	-18.62	-18.58	-17.94	-18.12	-17.32	-16.59	-16.60	-16.60	-16.56	-17.04
6400	-15.36	-16.95	-16.75	-17.23	-16.68	-16.16	-16.17	-16.17	-15.96	-16.48
6600	-13.38	-15.61	-15.71	-16.38	-16.03	-15.74	-15.75	-15.75	-15.35	-15.89
6800	-12.45	-14.61	-14.83	-15.60	-15.36	-15.34	-15.34	-15.34	-14.71	-15.27
7000	-12.39	-13.97	-14.23	-15.02	-14.85	-15.15	-15.15	-15.15	-14.23	-14.79
7200	-12.83	-13.59	-13.84	-14.61	-14.45	-15.10	-15.09	-15.09	-13.86	-14.42
7400	-12.96	-13.30	-13.63	-14.35	-14.19	-15.22	-15.21	-15.21	-13.63	-14.17
7600	-12.33	-12.95	-13.52	-14.20	-14.07	-15.56	-15.55	-15.54	-13.56	-14.08
7700	-11.89	-12.71	-13.42	-14.11	-14.01	-15.74	-15.73	-15.73	-13.54	-14.03
7800	-11.60	-12.49	-13.35	-14.07	-14.02	-16.03	-16.02	-16.02	-13.59	-14.06
7900	-11.53	-12.30	-13.30	-14.07	-14.09	-16.39	-16.38	-16.38	-13.70	-14.15
8000	-11.69	-12.13	-13.24	-14.07	-14.18	-16.80	-16.79	-16.79	-13.85	-14.27

# Programmable Attenuator

**RC8DAT-8G-95PE**

## Typical Performance Data

Test Conditions: @ Temperature = 0°C.

Freq. (MHz)	I. Loss (dB)
1	-2.68
50	-2.76
100	-2.82
200	-2.96
300	-3.08
400	-3.22
600	-3.51
800	-3.75
1000	-3.91
1200	-4.03
1400	-4.15
1600	-4.28
1800	-4.43
2000	-4.57
2200	-4.70
2400	-4.81
2600	-4.92
2800	-5.04
3000	-5.15
3200	-5.27
3400	-5.41
3600	-5.57
3800	-5.76
4000	-5.98
4200	-6.20
4400	-6.39
4600	-6.56
4800	-6.71
5000	-6.87
5200	-7.04
5400	-7.19
5600	-7.31
5800	-7.40
6000	-7.49
6200	-7.66
6400	-7.89
6600	-8.19
6800	-8.50
7000	-8.76
7200	-8.95
7400	-9.13
7600	-9.37
7700	-9.50
7800	-9.63
7900	-9.76
8000	-9.88

Freq. (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

# Programmable Attenuator

**RC8DAT-8G-95PE**

## Typical Performance Data

Test Conditions: @ Temperature = +25°C.

Freq. (MHz)	Attenuation relative to Insertion Loss (dB)									
	0.25 dB	10 dB	20 dB	30 dB	50 dB	60 dB	70 dB	80 dB	90 dB	95 dB
1	-0.30	-10.19	-19.83	-29.62	-48.97	-58.44	-68.02	-77.79	-86.85	-91.94
50	-0.30	-10.17	-19.82	-29.61	-48.95	-58.43	-67.95	-77.62	-86.89	-91.72
100	-0.30	-10.16	-19.80	-29.60	-48.94	-58.41	-67.93	-77.60	-86.92	-91.73
200	-0.30	-10.12	-19.76	-29.54	-48.88	-58.36	-67.89	-77.55	-86.88	-91.64
300	-0.29	-10.06	-19.68	-29.47	-48.81	-58.29	-67.82	-77.47	-86.78	-91.45
400	-0.29	-9.98	-19.60	-29.38	-48.72	-58.21	-67.73	-77.39	-86.69	-91.45
600	-0.28	-9.83	-19.44	-29.21	-48.56	-58.04	-67.58	-77.22	-86.65	-91.35
800	-0.27	-9.73	-19.33	-29.10	-48.45	-57.93	-67.47	-77.15	-86.54	-91.16
1000	-0.26	-9.70	-19.30	-29.06	-48.41	-57.91	-67.46	-77.14	-86.48	-91.27
1200	-0.26	-9.72	-19.31	-29.07	-48.43	-57.93	-67.49	-77.20	-86.58	-91.32
1400	-0.26	-9.74	-19.34	-29.10	-48.47	-57.97	-67.56	-77.25	-86.61	-91.46
1600	-0.26	-9.74	-19.34	-29.10	-48.50	-58.01	-67.62	-77.39	-86.71	-91.48
1800	-0.26	-9.73	-19.35	-29.11	-48.52	-58.06	-67.69	-77.45	-86.87	-91.57
2000	-0.26	-9.74	-19.36	-29.12	-48.57	-58.11	-67.75	-77.57	-86.98	-91.78
2200	-0.25	-9.76	-19.40	-29.16	-48.64	-58.21	-67.88	-77.67	-87.12	-92.01
2400	-0.26	-9.80	-19.45	-29.22	-48.74	-58.32	-68.04	-77.87	-87.46	-92.23
2600	-0.26	-9.84	-19.52	-29.30	-48.85	-58.45	-68.24	-78.08	-87.51	-92.33
2800	-0.26	-9.89	-19.59	-29.38	-48.99	-58.60	-68.43	-78.34	-87.87	-92.86
3000	-0.27	-9.94	-19.67	-29.47	-49.13	-58.75	-68.60	-78.55	-88.27	-93.09
3200	-0.27	-9.98	-19.74	-29.56	-49.27	-58.93	-68.84	-78.78	-88.37	-93.34
3400	-0.28	-10.01	-19.81	-29.64	-49.40	-59.09	-69.00	-79.07	-88.57	-93.75
3600	-0.28	-10.02	-19.84	-29.69	-49.51	-59.22	-69.21	-79.30	-88.87	-94.08
3800	-0.28	-10.01	-19.85	-29.73	-49.61	-59.32	-69.43	-79.57	-89.35	-94.18
4000	-0.28	-9.97	-19.84	-29.74	-49.68	-59.43	-69.61	-79.77	-89.72	-94.83
4200	-0.28	-9.94	-19.84	-29.76	-49.76	-59.57	-69.77	-80.10	-90.01	-94.77
4400	-0.27	-9.93	-19.86	-29.81	-49.88	-59.71	-69.97	-80.32	-90.13	-95.52
4600	-0.27	-9.94	-19.90	-29.90	-50.03	-59.91	-70.32	-80.67	-90.43	-95.61
4800	-0.27	-9.97	-19.96	-29.99	-50.19	-60.13	-70.52	-81.02	-91.06	-96.08
5000	-0.27	-9.98	-20.01	-30.08	-50.33	-60.33	-70.75	-81.25	-91.45	-96.40
5200	-0.27	-9.99	-20.06	-30.16	-50.48	-60.50	-71.01	-81.52	-91.60	-97.17
5400	-0.27	-10.02	-20.12	-30.27	-50.64	-60.68	-71.28	-81.80	-92.05	-96.91
5600	-0.28	-10.08	-20.23	-30.41	-50.83	-60.91	-71.56	-82.08	-92.08	-97.25
5800	-0.29	-10.18	-20.37	-30.57	-51.03	-61.12	-71.80	-82.33	-92.34	-97.79
6000	-0.30	-10.27	-20.50	-30.72	-51.21	-61.35	-72.00	-82.55	-92.75	-97.78
6200	-0.32	-10.32	-20.57	-30.81	-51.31	-61.44	-72.13	-82.56	-92.99	-98.30
6400	-0.32	-10.29	-20.55	-30.81	-51.33	-61.47	-72.11	-82.46	-92.73	-97.97
6600	-0.32	-10.21	-20.49	-30.76	-51.26	-61.40	-72.04	-82.44	-92.52	-97.52
6800	-0.32	-10.15	-20.43	-30.72	-51.20	-61.31	-71.85	-82.18	-92.59	-98.23
7000	-0.31	-10.13	-20.44	-30.75	-51.20	-61.30	-71.79	-82.00	-92.13	-97.24
7200	-0.31	-10.17	-20.50	-30.85	-51.23	-61.29	-71.68	-81.80	-91.61	-97.27
7400	-0.31	-10.23	-20.58	-30.98	-51.28	-61.32	-71.70	-81.67	-91.77	-96.46
7600	-0.31	-10.27	-20.65	-31.08	-51.28	-61.21	-71.51	-81.21	-91.23	-96.43
7700	-0.31	-10.28	-20.67	-31.13	-51.28	-61.18	-71.40	-81.01	-90.87	-96.62
7800	-0.31	-10.30	-20.71	-31.18	-51.28	-61.16	-71.26	-80.83	-90.55	-96.16
7900	-0.31	-10.34	-20.75	-31.24	-51.28	-61.10	-71.11	-80.69	-90.54	-94.89
8000	-0.32	-10.39	-20.81	-31.32	-51.28	-61.05	-70.86	-80.46	-90.29	-94.85

# Programmable Attenuator

**RC8DAT-8G-95PE**

## Typical Performance Data

Test Conditions: @ Temperature = +25°C.

Freq. (MHz)	Attenuation accuracy relative to nominal attenuation setting (dB)									
	0.25 dB	10 dB	20 dB	30 dB	50 dB	60 dB	70 dB	80 dB	90 dB	95 dB
1	-0.05	-0.19	0.17	0.38	1.03	1.57	1.99	2.22	3.16	3.07
50	-0.05	-0.17	0.18	0.39	1.05	1.57	2.05	2.38	3.11	3.28
100	-0.05	-0.16	0.20	0.40	1.06	1.59	2.07	2.40	3.08	3.27
200	-0.05	-0.12	0.24	0.46	1.12	1.64	2.11	2.45	3.12	3.36
300	-0.04	-0.06	0.32	0.53	1.19	1.71	2.18	2.53	3.22	3.55
400	-0.04	0.02	0.40	0.62	1.28	1.79	2.27	2.61	3.31	3.55
600	-0.03	0.17	0.56	0.79	1.44	1.96	2.42	2.78	3.35	3.65
800	-0.02	0.27	0.67	0.90	1.55	2.07	2.53	2.85	3.46	3.84
1000	-0.01	0.30	0.70	0.94	1.59	2.09	2.54	2.86	3.52	3.73
1200	-0.01	0.28	0.69	0.93	1.57	2.07	2.51	2.80	3.42	3.68
1400	-0.01	0.26	0.66	0.90	1.53	2.03	2.44	2.75	3.39	3.54
1600	-0.01	0.26	0.66	0.90	1.50	1.99	2.38	2.61	3.29	3.52
1800	-0.01	0.27	0.65	0.89	1.48	1.94	2.31	2.55	3.13	3.43
2000	-0.01	0.26	0.64	0.88	1.43	1.89	2.25	2.43	3.02	3.22
2200	0.00	0.24	0.60	0.84	1.36	1.79	2.12	2.33	2.88	2.99
2400	-0.01	0.20	0.55	0.78	1.26	1.68	1.96	2.13	2.54	2.77
2600	-0.01	0.16	0.48	0.70	1.15	1.55	1.76	1.92	2.49	2.67
2800	-0.01	0.11	0.41	0.62	1.01	1.40	1.57	1.66	2.13	2.14
3000	-0.02	0.06	0.33	0.53	0.87	1.25	1.40	1.45	1.73	1.91
3200	-0.02	0.02	0.26	0.44	0.73	1.07	1.16	1.22	1.63	1.66
3400	-0.03	-0.01	0.19	0.36	0.60	0.91	1.00	0.93	1.43	1.25
3600	-0.03	-0.02	0.16	0.31	0.49	0.78	0.79	0.70	1.13	0.92
3800	-0.03	-0.01	0.15	0.27	0.39	0.68	0.57	0.43	0.65	0.82
4000	-0.03	0.03	0.16	0.26	0.32	0.57	0.39	0.23	0.28	0.17
4200	-0.03	0.06	0.16	0.24	0.24	0.43	0.23	-0.10	-0.01	0.23
4400	-0.02	0.07	0.14	0.19	0.12	0.29	0.03	-0.32	-0.13	-0.52
4600	-0.02	0.06	0.10	0.10	-0.03	0.09	-0.32	-0.67	-0.43	-0.61
4800	-0.02	0.03	0.04	0.01	-0.19	-0.13	-0.52	-1.02	-1.06	-1.08
5000	-0.02	0.02	-0.01	-0.08	-0.33	-0.33	-0.75	-1.25	-1.45	-1.40
5200	-0.02	0.01	-0.06	-0.16	-0.48	-0.50	-1.01	-1.52	-1.60	-2.17
5400	-0.02	-0.02	-0.12	-0.27	-0.64	-0.68	-1.28	-1.80	-2.05	-1.91
5600	-0.03	-0.08	-0.23	-0.41	-0.83	-0.91	-1.56	-2.08	-2.08	-2.25
5800	-0.04	-0.18	-0.37	-0.57	-1.03	-1.12	-1.80	-2.33	-2.34	-2.79
6000	-0.05	-0.27	-0.50	-0.72	-1.21	-1.35	-2.00	-2.55	-2.75	-2.78
6200	-0.07	-0.32	-0.57	-0.81	-1.31	-1.44	-2.13	-2.56	-2.99	-3.30
6400	-0.07	-0.29	-0.55	-0.81	-1.33	-1.47	-2.11	-2.46	-2.73	-2.97
6600	-0.07	-0.21	-0.49	-0.76	-1.26	-1.40	-2.04	-2.44	-2.52	-2.52
6800	-0.07	-0.15	-0.43	-0.72	-1.20	-1.31	-1.85	-2.18	-2.59	-3.23
7000	-0.06	-0.13	-0.44	-0.75	-1.20	-1.30	-1.79	-2.00	-2.13	-2.24
7200	-0.06	-0.17	-0.50	-0.85	-1.23	-1.29	-1.68	-1.80	-1.61	-2.27
7400	-0.06	-0.23	-0.58	-0.98	-1.28	-1.32	-1.70	-1.67	-1.77	-1.46
7600	-0.06	-0.27	-0.65	-1.08	-1.28	-1.21	-1.51	-1.21	-1.23	-1.43
7700	-0.06	-0.28	-0.67	-1.13	-1.28	-1.18	-1.40	-1.01	-0.87	-1.62
7800	-0.06	-0.30	-0.71	-1.18	-1.28	-1.16	-1.26	-0.83	-0.55	-1.16
7900	-0.06	-0.34	-0.75	-1.24	-1.28	-1.10	-1.11	-0.69	-0.54	0.11
8000	-0.07	-0.39	-0.81	-1.32	-1.28	-1.05	-0.86	-0.46	-0.29	0.15



# Programmable Attenuator

**RC8DAT-8G-95PE**

## Typical Performance Data

Test Conditions: @ Temperature = +25°C.

Freq. (MHz)	Return Loss In (dB)									
	0.25 dB	10 dB	20 dB	30 dB	50 dB	60 dB	70 dB	80 dB	90 dB	95 dB
1	-11.86	-19.59	-20.62	-23.26	-25.31	-26.19	-33.51	-33.49	-33.35	-33.54
50	-12.00	-19.84	-20.86	-23.71	-26.06	-27.13	-41.55	-41.47	-40.81	-41.91
100	-12.12	-19.86	-20.84	-23.63	-25.93	-26.97	-40.56	-40.51	-39.88	-40.88
200	-12.65	-20.11	-20.93	-23.65	-25.87	-26.90	-39.87	-39.83	-39.19	-40.13
300	-13.48	-20.50	-21.08	-23.73	-25.90	-26.92	-39.67	-39.64	-38.78	-39.88
400	-14.57	-20.90	-21.15	-23.69	-25.76	-26.78	-38.83	-38.82	-37.82	-38.98
600	-17.94	-22.00	-21.44	-23.84	-25.76	-26.78	-38.19	-38.15	-36.47	-38.10
800	-23.82	-22.95	-21.56	-23.78	-25.48	-26.47	-36.60	-36.57	-34.61	-36.38
1000	-29.72	-23.39	-21.54	-23.63	-25.12	-26.05	-34.75	-34.73	-32.64	-34.45
1200	-24.89	-23.45	-21.49	-23.56	-24.86	-25.76	-33.51	-33.51	-31.27	-33.16
1400	-21.91	-23.37	-21.38	-23.48	-24.62	-25.48	-32.63	-32.64	-30.31	-32.25
1600	-21.41	-23.16	-21.14	-23.23	-24.23	-25.02	-31.42	-31.44	-29.17	-31.04
1800	-22.73	-23.05	-20.96	-23.07	-23.98	-24.70	-30.53	-30.55	-28.26	-30.14
2000	-24.47	-22.72	-20.81	-22.97	-23.81	-24.46	-30.00	-30.03	-27.71	-29.59
2200	-23.32	-21.94	-20.53	-22.72	-23.54	-24.11	-29.32	-29.35	-27.12	-28.91
2400	-20.40	-21.09	-20.32	-22.59	-23.43	-23.92	-28.98	-29.00	-26.80	-28.56
2600	-17.95	-20.39	-20.26	-22.69	-23.61	-24.04	-29.22	-29.23	-26.92	-28.75
2800	-16.18	-19.72	-20.14	-22.70	-23.71	-24.07	-29.42	-29.43	-27.13	-28.93
3000	-15.10	-19.31	-20.11	-22.82	-23.89	-24.19	-29.76	-29.76	-27.42	-29.22
3200	-14.76	-19.31	-20.35	-23.27	-24.38	-24.67	-30.95	-30.94	-28.31	-30.32
3400	-15.14	-19.58	-20.62	-23.74	-24.77	-25.09	-32.27	-32.25	-29.37	-31.56
3600	-16.50	-20.23	-21.00	-24.32	-25.13	-25.55	-33.97	-33.97	-30.76	-33.22
3800	-19.34	-21.46	-21.72	-25.40	-25.88	-26.48	-37.51	-37.52	-32.38	-36.56
4000	-24.78	-22.91	-22.51	-26.64	-26.43	-27.35	-41.57	-41.59	-34.24	-42.06
4200	-33.22	-24.12	-23.26	-27.96	-26.82	-28.11	-40.69	-40.60	-34.75	-44.62
4400	-28.53	-25.16	-24.38	-30.01	-27.53	-29.29	-36.27	-36.12	-32.64	-38.81
4600	-25.07	-25.84	-25.70	-32.29	-28.17	-30.37	-32.35	-32.20	-29.89	-33.71
4800	-24.89	-26.40	-27.22	-33.38	-28.31	-30.67	-29.43	-29.30	-27.62	-30.34
5000	-27.45	-27.48	-29.52	-33.12	-28.48	-30.77	-27.14	-27.03	-25.47	-27.82
5200	-32.37	-28.97	-33.25	-30.57	-27.94	-29.74	-24.98	-24.88	-23.46	-25.49
5400	-30.90	-29.39	-35.08	-27.78	-26.52	-27.87	-23.30	-23.21	-21.96	-23.74
5600	-28.31	-30.09	-34.14	-25.72	-25.31	-26.39	-21.89	-21.82	-20.58	-22.28
5800	-28.66	-30.43	-30.39	-23.75	-23.79	-24.68	-20.51	-20.46	-19.26	-20.85
6000	-33.09	-29.68	-27.24	-22.09	-22.26	-23.08	-19.29	-19.25	-18.11	-19.61
6200	-31.24	-27.65	-24.68	-20.54	-20.77	-21.51	-18.03	-18.01	-16.91	-18.33
6400	-23.65	-25.12	-22.85	-19.34	-19.59	-20.25	-16.99	-16.97	-15.90	-17.27
6600	-19.68	-22.75	-21.30	-18.20	-18.46	-19.03	-15.95	-15.94	-14.90	-16.22
6800	-17.88	-20.98	-20.02	-17.22	-17.50	-17.96	-15.00	-14.99	-13.97	-15.25
7000	-17.56	-19.77	-18.96	-16.39	-16.72	-17.04	-14.16	-14.15	-13.14	-14.39
7200	-17.79	-18.70	-17.89	-15.61	-16.02	-16.21	-13.39	-13.38	-12.38	-13.61
7400	-17.24	-17.60	-16.86	-14.96	-15.47	-15.53	-12.75	-12.73	-11.74	-12.94
7600	-15.42	-16.28	-15.75	-14.37	-15.00	-14.95	-12.20	-12.18	-11.18	-12.38
7700	-14.50	-15.61	-15.21	-14.09	-14.79	-14.70	-11.96	-11.95	-10.94	-12.14
7800	-13.70	-14.91	-14.63	-13.81	-14.57	-14.44	-11.73	-11.72	-10.71	-11.90
7900	-13.11	-14.27	-14.10	-13.57	-14.39	-14.23	-11.55	-11.53	-10.52	-11.71
8000	-12.66	-13.63	-13.56	-13.32	-14.19	-14.01	-11.36	-11.35	-10.34	-11.52



# Programmable Attenuator

**RC8DAT-8G-95PE**

## Typical Performance Data

Test Conditions: @ Temperature = +25°C.

Freq. (MHz)	Return Loss Out (dB)									
	0.25 dB	10 dB	20 dB	30 dB	50 dB	60 dB	70 dB	80 dB	90 dB	95 dB
1	-11.88	-20.50	-33.89	-30.25	-26.81	-33.13	-33.20	-33.26	-28.57	-26.59
50	-12.05	-20.80	-46.32	-33.99	-28.53	-42.71	-43.08	-43.45	-31.07	-28.25
100	-12.17	-20.82	-44.71	-34.47	-28.83	-43.74	-44.16	-44.58	-31.42	-28.53
200	-12.68	-21.07	-43.88	-34.87	-29.08	-43.98	-44.34	-44.75	-31.70	-28.77
300	-13.38	-21.40	-42.66	-35.04	-29.19	-42.40	-42.63	-42.93	-31.75	-28.85
400	-14.27	-21.62	-40.30	-35.83	-29.62	-41.73	-41.84	-42.03	-32.19	-29.24
600	-17.07	-22.22	-37.64	-36.15	-29.96	-38.21	-38.22	-38.30	-32.25	-29.55
800	-21.56	-22.28	-35.18	-36.89	-30.70	-35.96	-35.92	-35.92	-32.62	-30.22
1000	-26.93	-21.64	-32.98	-36.38	-31.34	-33.71	-33.67	-33.63	-32.56	-30.83
1200	-24.93	-20.67	-31.04	-35.15	-31.90	-32.06	-32.02	-31.96	-32.25	-31.37
1400	-21.58	-19.73	-29.41	-34.01	-32.94	-30.95	-30.91	-30.83	-32.29	-32.41
1600	-20.58	-19.11	-27.95	-32.48	-33.76	-29.89	-29.85	-29.76	-31.97	-33.34
1800	-21.73	-18.92	-26.91	-31.14	-33.86	-29.07	-29.03	-28.93	-31.35	-33.67
2000	-24.58	-18.94	-26.16	-30.34	-34.42	-28.70	-28.66	-28.56	-31.22	-34.52
2200	-24.27	-18.89	-25.49	-29.64	-34.75	-28.50	-28.45	-28.35	-31.18	-35.26
2400	-19.83	-18.64	-24.92	-28.92	-34.08	-28.30	-28.24	-28.14	-30.82	-34.76
2600	-16.40	-18.29	-24.72	-28.76	-34.03	-28.74	-28.67	-28.57	-31.17	-34.81
2800	-14.32	-17.88	-24.60	-28.51	-33.34	-29.26	-29.18	-29.09	-31.46	-34.03
3000	-13.34	-17.65	-24.64	-28.31	-32.42	-29.89	-29.79	-29.70	-31.72	-32.95
3200	-13.33	-17.78	-25.04	-28.28	-31.48	-30.79	-30.69	-30.59	-32.22	-31.85
3400	-14.27	-18.26	-25.61	-28.12	-30.27	-31.31	-31.24	-31.15	-32.30	-30.49
3600	-16.20	-18.96	-26.20	-27.85	-29.15	-31.05	-31.03	-30.96	-31.85	-29.27
3800	-19.38	-19.84	-26.99	-27.73	-28.23	-30.25	-30.26	-30.23	-31.18	-28.25
4000	-23.75	-20.74	-27.64	-27.35	-27.07	-28.44	-28.47	-28.47	-29.59	-26.96
4200	-26.51	-21.48	-28.01	-26.86	-25.96	-26.56	-26.58	-26.61	-27.85	-25.75
4400	-26.08	-22.34	-28.68	-26.63	-25.12	-25.00	-25.01	-25.05	-26.38	-24.79
4600	-26.48	-23.70	-29.48	-26.31	-24.23	-23.53	-23.53	-23.57	-24.90	-23.81
4800	-29.31	-25.68	-29.99	-25.76	-23.36	-22.22	-22.22	-22.25	-23.54	-22.86
5000	-34.52	-28.20	-29.98	-25.17	-22.59	-21.14	-21.15	-21.17	-22.40	-22.05
5200	-33.23	-30.19	-28.32	-24.18	-21.71	-20.09	-20.09	-20.11	-21.22	-21.17
5400	-30.75	-29.27	-26.13	-23.09	-20.89	-19.19	-19.20	-19.21	-20.21	-20.37
5600	-33.47	-26.18	-23.73	-21.87	-20.05	-18.38	-18.38	-18.39	-19.25	-19.58
5800	-42.09	-23.10	-21.52	-20.63	-19.22	-17.65	-17.67	-17.67	-18.35	-18.83
6000	-25.03	-20.49	-19.60	-19.37	-18.36	-16.95	-16.97	-16.97	-17.48	-18.06
6200	-18.33	-18.16	-17.97	-18.24	-17.61	-16.40	-16.41	-16.41	-16.72	-17.39
6400	-14.88	-16.43	-16.74	-17.36	-17.00	-16.02	-16.03	-16.04	-16.12	-16.85
6600	-12.94	-15.09	-15.70	-16.54	-16.38	-15.68	-15.69	-15.69	-15.53	-16.30
6800	-12.16	-14.20	-14.92	-15.88	-15.84	-15.43	-15.44	-15.45	-15.01	-15.81
7000	-12.24	-13.66	-14.38	-15.38	-15.40	-15.33	-15.33	-15.34	-14.60	-15.40
7200	-12.73	-13.34	-14.04	-15.02	-15.05	-15.36	-15.36	-15.37	-14.28	-15.07
7400	-12.91	-13.12	-13.89	-14.84	-14.85	-15.58	-15.57	-15.58	-14.12	-14.90
7600	-12.36	-12.81	-13.78	-14.70	-14.73	-15.95	-15.95	-15.95	-14.06	-14.81
7700	-12.02	-12.63	-13.71	-14.64	-14.69	-16.18	-16.17	-16.18	-14.06	-14.78
7800	-11.80	-12.47	-13.66	-14.61	-14.70	-16.49	-16.48	-16.49	-14.12	-14.81
7900	-11.80	-12.35	-13.64	-14.62	-14.76	-16.88	-16.87	-16.87	-14.24	-14.90
8000	-12.01	-12.23	-13.58	-14.62	-14.83	-17.28	-17.27	-17.27	-14.37	-15.00

# Programmable Attenuator

## RC8DAT-8G-95PE

### Typical Performance Data

Test Conditions: @ Temperature = +25°C.

Freq. (MHz)	I. Loss (dB)
1	-2.78
50	-2.86
100	-2.92
200	-3.05
300	-3.20
400	-3.35
600	-3.65
800	-3.90
1000	-4.07
1200	-4.19
1400	-4.31
1600	-4.44
1800	-4.60
2000	-4.74
2200	-4.87
2400	-4.98
2600	-5.09
2800	-5.20
3000	-5.31
3200	-5.43
3400	-5.57
3600	-5.74
3800	-5.94
4000	-6.16
4200	-6.39
4400	-6.58
4600	-6.75
4800	-6.91
5000	-7.08
5200	-7.25
5400	-7.40
5600	-7.52
5800	-7.61
6000	-7.70
6200	-7.88
6400	-8.13
6600	-8.45
6800	-8.76
7000	-9.00
7200	-9.19
7400	-9.38
7600	-9.61
7700	-9.73
7800	-9.86
7900	-9.98
8000	-10.10

Freq. (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

# Programmable Attenuator

**RC8DAT-8G-95PE**

## Typical Performance Data

Test Conditions: @ Temperature = +25°C.

Freq. (MHz)	Cross-Over Isolation (dB)									
	In1 - In3	In4 - In6	In5 - In7	Out2 - Out4	Out3 - Out5	Out6 - Out8	In1 - Out3	In4 - Out6	In5 - Out7	Out4 - In6
1	-121.78	-114.80	-119.06	-112.73	-114.55	-117.69	-117.87	-115.67	-115.88	-116.80
50	-135.69	-133.71	-133.36	-136.50	-128.89	-128.16	-130.39	-129.47	-135.67	-128.85
100	-136.18	-139.58	-134.10	-130.03	-134.22	-131.64	-128.03	-131.41	-132.22	-128.55
200	-130.76	-132.37	-136.98	-131.47	-131.09	-134.47	-126.44	-131.67	-131.62	-130.16
300	-128.54	-128.84	-135.41	-144.20	-131.71	-132.77	-127.44	-131.70	-129.65	-132.37
400	-145.76	-137.80	-135.62	-134.70	-128.78	-133.91	-129.46	-132.06	-128.68	-130.32
600	-136.91	-133.81	-133.91	-131.88	-144.77	-135.15	-133.46	-132.63	-132.57	-132.31
800	-138.73	-135.35	-138.62	-143.22	-131.72	-133.93	-128.17	-131.87	-131.48	-129.22
1000	-131.79	-132.23	-136.68	-129.45	-128.50	-130.60	-128.82	-130.73	-130.15	-134.31
1200	-130.45	-136.68	-131.97	-136.28	-134.04	-135.95	-131.32	-130.55	-132.87	-131.02
1400	-137.26	-135.54	-136.11	-129.57	-130.05	-141.11	-130.86	-132.45	-130.34	-130.59
1600	-137.10	-135.38	-147.75	-137.96	-139.29	-130.75	-133.37	-132.31	-131.29	-132.74
1800	-135.72	-134.36	-135.22	-134.80	-129.41	-132.22	-129.04	-131.60	-131.18	-132.06
2000	-141.31	-136.23	-131.46	-127.79	-128.02	-132.95	-130.94	-131.59	-132.16	-130.55
2200	-136.70	-132.80	-133.27	-130.50	-132.71	-129.62	-132.06	-130.90	-128.56	-130.55
2400	-131.82	-142.69	-134.54	-132.13	-130.21	-131.45	-130.51	-131.50	-128.28	-131.38
2600	-131.93	-131.55	-134.50	-128.06	-135.96	-136.10	-129.91	-134.22	-129.25	-128.03
2800	-127.56	-134.14	-135.24	-131.11	-132.02	-130.22	-130.25	-131.77	-130.48	-128.68
3000	-132.58	-132.71	-131.79	-132.88	-132.86	-135.27	-128.70	-132.15	-128.92	-129.40
3200	-136.68	-135.84	-133.32	-135.06	-137.69	-138.23	-134.54	-129.80	-131.29	-130.49
3400	-134.49	-130.33	-129.84	-133.92	-136.51	-131.80	-133.26	-131.18	-129.59	-129.04
3600	-139.45	-136.06	-133.02	-143.35	-131.70	-129.47	-128.17	-129.50	-129.78	-131.04
3800	-140.45	-127.73	-132.19	-137.23	-129.48	-127.87	-133.24	-132.07	-129.85	-129.33
4000	-133.29	-133.22	-132.54	-135.30	-134.36	-133.31	-127.22	-128.34	-129.32	-131.00
4200	-134.25	-135.21	-137.52	-129.52	-133.50	-129.99	-128.00	-129.87	-127.77	-129.18
4400	-127.76	-134.32	-134.14	-146.34	-135.47	-130.16	-128.28	-130.58	-126.95	-126.74
4600	-133.30	-131.70	-133.61	-134.84	-130.31	-129.10	-126.62	-128.69	-128.70	-128.18
4800	-132.64	-132.24	-129.19	-133.17	-133.31	-136.98	-125.17	-130.74	-123.82	-125.25
5000	-133.03	-130.91	-131.37	-123.68	-126.01	-132.66	-124.69	-126.47	-122.42	-125.03
5200	-130.18	-131.46	-130.24	-132.97	-130.09	-133.46	-129.66	-126.20	-129.13	-127.95
5400	-127.46	-140.40	-130.07	-129.56	-133.04	-131.92	-133.24	-125.31	-127.98	-128.52
5600	-133.73	-140.05	-140.84	-124.28	-138.51	-127.89	-132.50	-126.32	-128.78	-126.58
5800	-135.68	-135.36	-134.65	-129.13	-128.88	-130.40	-129.21	-126.08	-129.75	-127.79
6000	-133.15	-132.30	-131.03	-128.08	-133.64	-131.06	-133.75	-129.05	-127.23	-129.42
6200	-129.71	-129.83	-125.71	-125.97	-128.17	-132.27	-130.08	-127.60	-125.32	-128.61
6400	-130.11	-131.48	-126.12	-126.52	-120.83	-143.87	-127.20	-130.57	-125.73	-128.53
6600	-153.73	-131.79	-121.80	-124.24	-121.21	-130.71	-126.00	-129.86	-121.78	-129.80
6800	-127.56	-131.97	-116.05	-133.16	-118.86	-123.61	-118.76	-122.30	-117.11	-126.31
7000	-137.48	-126.80	-109.11	-125.67	-122.49	-126.27	-126.13	-123.55	-114.74	-126.04
7200	-134.13	-124.05	-110.04	-123.97	-127.85	-127.00	-130.18	-121.17	-117.20	-111.80
7400	-141.30	-125.60	-112.81	-122.01	-125.25	-132.81	-141.67	-121.54	-120.44	-120.79
7600	-127.70	-126.03	-115.54	-115.83	-131.98	-127.37	-127.53	-119.82	-122.77	-120.24
7700	-127.85	-122.26	-114.13	-115.70	-133.91	-122.91	-129.23	-121.28	-121.74	-120.25
7800	-127.93	-128.23	-114.42	-113.90	-137.68	-121.01	-132.00	-119.19	-121.62	-119.58
7900	-128.19	-140.65	-116.55	-114.14	-131.64	-119.74	-126.38	-115.97	-119.95	-120.55
8000	-128.90	-130.96	-118.49	-111.65	-124.44	-118.10	-124.64	-117.74	-119.49	-119.50

# Programmable Attenuator

**RC8DAT-8G-95PE**

## Typical Performance Data

Test Conditions: @ Temperature = +50°C.

Freq. (MHz)	Attenuation relative to Insertion Loss (dB)									
	0.25 dB	10 dB	20 dB	30 dB	50 dB	60 dB	70 dB	80 dB	90 dB	95 dB
1	-0.29	-10.10	-19.71	-29.46	-48.78	-58.20	-67.79	-77.47	-87.20	-92.03
50	-0.29	-10.09	-19.70	-29.45	-48.76	-58.23	-67.76	-77.40	-86.72	-91.35
100	-0.29	-10.08	-19.69	-29.44	-48.75	-58.22	-67.75	-77.39	-86.69	-91.41
200	-0.29	-10.03	-19.64	-29.38	-48.69	-58.16	-67.69	-77.35	-86.69	-91.40
300	-0.29	-9.96	-19.55	-29.29	-48.59	-58.06	-67.61	-77.23	-86.59	-91.34
400	-0.28	-9.88	-19.46	-29.20	-48.50	-57.97	-67.52	-77.14	-86.44	-91.19
600	-0.27	-9.74	-19.30	-29.02	-48.32	-57.79	-67.34	-76.96	-86.28	-91.20
800	-0.26	-9.65	-19.20	-28.91	-48.21	-57.69	-67.24	-76.85	-86.22	-90.86
1000	-0.26	-9.62	-19.17	-28.88	-48.18	-57.66	-67.23	-76.87	-86.18	-90.97
1200	-0.26	-9.64	-19.19	-28.89	-48.21	-57.68	-67.25	-76.96	-86.29	-90.85
1400	-0.26	-9.67	-19.23	-28.92	-48.25	-57.74	-67.34	-77.05	-86.41	-91.16
1600	-0.25	-9.67	-19.24	-28.93	-48.28	-57.79	-67.40	-77.08	-86.43	-91.19
1800	-0.25	-9.67	-19.24	-28.93	-48.31	-57.82	-67.49	-77.21	-86.55	-91.27
2000	-0.25	-9.66	-19.25	-28.95	-48.35	-57.88	-67.56	-77.27	-86.76	-91.46
2200	-0.25	-9.68	-19.28	-28.98	-48.42	-57.97	-67.68	-77.48	-86.99	-91.71
2400	-0.25	-9.71	-19.34	-29.05	-48.53	-58.08	-67.83	-77.63	-87.10	-91.96
2600	-0.25	-9.76	-19.41	-29.12	-48.66	-58.24	-68.03	-77.82	-87.38	-92.34
2800	-0.26	-9.81	-19.49	-29.21	-48.80	-58.39	-68.22	-78.13	-87.60	-92.54
3000	-0.26	-9.86	-19.57	-29.31	-48.94	-58.56	-68.45	-78.34	-87.81	-92.67
3200	-0.26	-9.90	-19.64	-29.39	-49.08	-58.72	-68.63	-78.61	-88.17	-92.90
3400	-0.27	-9.94	-19.69	-29.47	-49.21	-58.87	-68.85	-78.89	-88.48	-93.60
3600	-0.27	-9.94	-19.72	-29.52	-49.32	-59.01	-69.07	-79.15	-88.84	-93.66
3800	-0.27	-9.92	-19.73	-29.54	-49.40	-59.13	-69.27	-79.33	-89.23	-94.19
4000	-0.27	-9.89	-19.71	-29.55	-49.48	-59.24	-69.42	-79.65	-89.51	-94.24
4200	-0.27	-9.86	-19.71	-29.58	-49.56	-59.37	-69.63	-79.85	-89.82	-94.58
4400	-0.27	-9.85	-19.73	-29.62	-49.67	-59.53	-69.86	-80.15	-90.09	-95.23
4600	-0.27	-9.87	-19.78	-29.70	-49.83	-59.73	-70.12	-80.53	-90.44	-95.78
4800	-0.26	-9.89	-19.83	-29.79	-49.98	-59.95	-70.36	-80.82	-90.71	-95.76
5000	-0.26	-9.91	-19.89	-29.88	-50.13	-60.14	-70.68	-81.13	-91.05	-96.09
5200	-0.26	-9.91	-19.93	-29.97	-50.29	-60.33	-70.97	-81.41	-91.53	-96.20
5400	-0.26	-9.94	-19.99	-30.07	-50.44	-60.52	-71.23	-81.69	-91.84	-97.04
5600	-0.27	-10.00	-20.10	-30.21	-50.64	-60.75	-71.48	-82.03	-92.04	-97.70
5800	-0.28	-10.10	-20.25	-30.39	-50.87	-61.02	-71.85	-82.36	-92.63	-97.53
6000	-0.30	-10.21	-20.39	-30.55	-51.06	-61.25	-72.09	-82.58	-92.75	-98.00
6200	-0.31	-10.25	-20.46	-30.63	-51.18	-61.38	-72.16	-82.76	-93.03	-98.63
6400	-0.32	-10.21	-20.43	-30.62	-51.19	-61.36	-72.14	-82.68	-92.83	-98.36
6600	-0.32	-10.13	-20.36	-30.56	-51.12	-61.31	-72.06	-82.47	-92.70	-98.14
6800	-0.31	-10.06	-20.30	-30.52	-51.06	-61.27	-71.97	-82.33	-92.50	-98.21
7000	-0.31	-10.06	-20.32	-30.56	-51.06	-61.24	-71.83	-82.11	-92.42	-97.12
7200	-0.30	-10.10	-20.39	-30.66	-51.11	-61.29	-71.82	-81.92	-92.04	-97.65
7400	-0.30	-10.15	-20.46	-30.78	-51.16	-61.26	-71.74	-81.74	-91.78	-96.81
7600	-0.30	-10.19	-20.53	-30.88	-51.17	-61.24	-71.58	-81.59	-91.40	-96.39
7700	-0.30	-10.21	-20.55	-30.93	-51.17	-61.23	-71.52	-81.40	-91.44	-95.84
7800	-0.31	-10.24	-20.59	-30.99	-51.18	-61.18	-71.37	-81.19	-90.90	-95.88
7900	-0.31	-10.27	-20.63	-31.06	-51.17	-61.12	-71.14	-81.02	-90.54	-95.69
8000	-0.32	-10.32	-20.69	-31.13	-51.15	-61.07	-71.02	-80.68	-90.56	-95.09

# Programmable Attenuator

**RC8DAT-8G-95PE**

## Typical Performance Data

Test Conditions: @ Temperature = +50°C.

Freq. (MHz)	Attenuation accuracy relative to nominal attenuation setting (dB)									
	0.25 dB	10 dB	20 dB	30 dB	50 dB	60 dB	70 dB	80 dB	90 dB	95 dB
1	-0.04	-0.10	0.29	0.55	1.22	1.81	2.21	2.54	2.81	2.97
50	-0.04	-0.09	0.30	0.55	1.24	1.77	2.24	2.60	3.28	3.65
100	-0.04	-0.08	0.31	0.56	1.25	1.78	2.25	2.61	3.31	3.59
200	-0.04	-0.03	0.36	0.62	1.31	1.84	2.31	2.65	3.31	3.60
300	-0.04	0.04	0.45	0.71	1.41	1.94	2.39	2.77	3.41	3.66
400	-0.03	0.12	0.54	0.80	1.50	2.03	2.48	2.86	3.56	3.81
600	-0.02	0.26	0.70	0.98	1.68	2.21	2.66	3.04	3.72	3.80
800	-0.01	0.35	0.80	1.09	1.79	2.31	2.76	3.15	3.78	4.14
1000	-0.01	0.38	0.83	1.12	1.82	2.34	2.77	3.13	3.82	4.03
1200	-0.01	0.36	0.81	1.11	1.79	2.32	2.75	3.04	3.71	4.15
1400	-0.01	0.33	0.77	1.08	1.75	2.26	2.66	2.95	3.59	3.84
1600	0.00	0.33	0.76	1.07	1.72	2.21	2.60	2.92	3.57	3.81
1800	0.00	0.33	0.76	1.07	1.69	2.18	2.51	2.79	3.45	3.73
2000	0.00	0.34	0.75	1.05	1.65	2.12	2.44	2.73	3.24	3.54
2200	0.00	0.32	0.72	1.02	1.58	2.03	2.32	2.52	3.02	3.29
2400	0.00	0.29	0.66	0.95	1.47	1.92	2.17	2.37	2.90	3.04
2600	0.00	0.24	0.59	0.88	1.34	1.76	1.97	2.18	2.62	2.66
2800	-0.01	0.19	0.51	0.79	1.20	1.61	1.78	1.87	2.40	2.46
3000	-0.01	0.14	0.43	0.69	1.06	1.44	1.55	1.66	2.19	2.33
3200	-0.01	0.10	0.36	0.61	0.92	1.28	1.37	1.39	1.83	2.10
3400	-0.02	0.06	0.31	0.53	0.79	1.13	1.15	1.11	1.52	1.40
3600	-0.02	0.06	0.28	0.48	0.68	0.99	0.93	0.85	1.16	1.34
3800	-0.02	0.08	0.27	0.46	0.60	0.87	0.73	0.67	0.77	0.81
4000	-0.02	0.11	0.29	0.45	0.52	0.76	0.58	0.35	0.49	0.76
4200	-0.02	0.14	0.29	0.42	0.44	0.63	0.37	0.15	0.19	0.42
4400	-0.02	0.15	0.27	0.38	0.33	0.47	0.14	-0.15	-0.09	-0.23
4600	-0.02	0.13	0.22	0.30	0.17	0.27	-0.12	-0.53	-0.44	-0.78
4800	-0.01	0.11	0.17	0.21	0.02	0.05	-0.36	-0.82	-0.71	-0.76
5000	-0.01	0.09	0.11	0.12	-0.13	-0.14	-0.68	-1.13	-1.05	-1.09
5200	-0.01	0.09	0.07	0.03	-0.29	-0.33	-0.97	-1.41	-1.53	-1.20
5400	-0.01	0.06	0.01	-0.07	-0.44	-0.52	-1.23	-1.69	-1.84	-2.04
5600	-0.02	0.00	-0.10	-0.21	-0.64	-0.75	-1.48	-2.03	-2.04	-2.70
5800	-0.03	-0.10	-0.25	-0.39	-0.87	-1.02	-1.85	-2.36	-2.63	-2.53
6000	-0.05	-0.21	-0.39	-0.55	-1.06	-1.25	-2.09	-2.58	-2.75	-3.00
6200	-0.06	-0.25	-0.46	-0.63	-1.18	-1.38	-2.16	-2.76	-3.03	-3.63
6400	-0.07	-0.21	-0.43	-0.62	-1.19	-1.36	-2.14	-2.68	-2.83	-3.36
6600	-0.07	-0.13	-0.36	-0.56	-1.12	-1.31	-2.06	-2.47	-2.70	-3.14
6800	-0.06	-0.06	-0.30	-0.52	-1.06	-1.27	-1.97	-2.33	-2.50	-3.21
7000	-0.06	-0.06	-0.32	-0.56	-1.06	-1.24	-1.83	-2.11	-2.42	-2.12
7200	-0.05	-0.10	-0.39	-0.66	-1.11	-1.29	-1.82	-1.92	-2.04	-2.65
7400	-0.05	-0.15	-0.46	-0.78	-1.16	-1.26	-1.74	-1.74	-1.78	-1.81
7600	-0.05	-0.19	-0.53	-0.88	-1.17	-1.24	-1.58	-1.59	-1.40	-1.39
7700	-0.05	-0.21	-0.55	-0.93	-1.17	-1.23	-1.52	-1.40	-1.44	-0.84
7800	-0.06	-0.24	-0.59	-0.99	-1.18	-1.18	-1.37	-1.19	-0.90	-0.88
7900	-0.06	-0.27	-0.63	-1.06	-1.17	-1.12	-1.14	-1.02	-0.54	-0.69
8000	-0.07	-0.32	-0.69	-1.13	-1.15	-1.07	-1.02	-0.68	-0.56	-0.09

# Programmable Attenuator

**RC8DAT-8G-95PE**

## Typical Performance Data

Test Conditions: @ Temperature = +50°C.

Freq. (MHz)	Return Loss In (dB)									
	0.25 dB	10 dB	20 dB	30 dB	50 dB	60 dB	70 dB	80 dB	90 dB	95 dB
1	-11.45	-18.17	-18.93	-21.15	-23.00	-23.81	-29.65	-29.71	-29.57	-29.99
50	-11.59	-18.43	-19.16	-21.50	-23.54	-24.46	-32.14	-32.24	-32.00	-32.71
100	-11.73	-18.52	-19.22	-21.54	-23.56	-24.47	-32.09	-32.20	-31.97	-32.67
200	-12.32	-18.89	-19.45	-21.72	-23.73	-24.63	-32.35	-32.46	-32.22	-32.94
300	-13.13	-19.24	-19.58	-21.76	-23.70	-24.60	-32.11	-32.21	-31.87	-32.64
400	-14.15	-19.53	-19.57	-21.60	-23.41	-24.26	-31.22	-31.31	-30.92	-31.67
600	-17.46	-20.64	-19.86	-21.63	-23.26	-24.07	-30.61	-30.70	-30.17	-31.00
800	-23.06	-21.86	-20.16	-21.67	-23.10	-23.87	-30.04	-30.12	-29.45	-30.36
1000	-28.18	-22.69	-20.30	-21.61	-22.84	-23.55	-29.22	-29.29	-28.47	-29.46
1200	-24.27	-23.15	-20.42	-21.63	-22.69	-23.35	-28.67	-28.74	-27.77	-28.86
1400	-21.50	-23.28	-20.42	-21.62	-22.54	-23.17	-28.22	-28.29	-27.21	-28.37
1600	-21.01	-23.10	-20.26	-21.48	-22.29	-22.88	-27.58	-27.65	-26.50	-27.68
1800	-22.25	-22.78	-20.10	-21.39	-22.15	-22.70	-27.14	-27.22	-25.96	-27.20
2000	-23.82	-22.14	-19.91	-21.30	-22.06	-22.57	-26.83	-26.90	-25.57	-26.85
2200	-22.71	-21.10	-19.56	-21.07	-21.85	-22.32	-26.35	-26.43	-25.09	-26.35
2400	-19.92	-20.08	-19.27	-20.93	-21.77	-22.19	-26.08	-26.16	-24.81	-26.05
2600	-17.48	-19.29	-19.12	-20.97	-21.90	-22.29	-26.19	-26.26	-24.85	-26.13
2800	-15.71	-18.63	-18.96	-20.97	-21.99	-22.33	-26.25	-26.33	-24.95	-26.18
3000	-14.64	-18.28	-18.95	-21.09	-22.18	-22.47	-26.47	-26.54	-25.15	-26.36
3200	-14.37	-18.39	-19.25	-21.55	-22.67	-22.93	-27.25	-27.33	-25.84	-27.11
3400	-14.82	-18.79	-19.62	-22.02	-23.08	-23.33	-28.00	-28.08	-26.59	-27.85
3600	-16.25	-19.60	-20.17	-22.65	-23.56	-23.82	-29.03	-29.13	-27.64	-28.88
3800	-19.14	-21.01	-21.06	-23.76	-24.42	-24.75	-31.02	-31.15	-29.14	-30.85
4000	-24.40	-22.65	-22.06	-25.08	-25.26	-25.76	-33.68	-33.87	-31.07	-33.56
4200	-31.61	-23.91	-22.95	-26.46	-25.94	-26.64	-36.54	-36.80	-32.81	-36.79
4400	-28.10	-24.74	-24.08	-28.49	-26.93	-27.97	-40.75	-40.96	-33.62	-43.07
4600	-24.62	-24.99	-25.30	-31.02	-27.84	-29.36	-39.11	-38.83	-32.61	-42.31
4800	-24.18	-25.10	-26.75	-33.81	-28.46	-30.45	-34.07	-33.80	-30.43	-35.49
5000	-26.32	-25.72	-28.92	-36.14	-29.15	-31.54	-30.43	-30.22	-27.69	-31.20
5200	-30.53	-26.83	-32.64	-33.55	-29.02	-31.25	-27.19	-27.03	-25.07	-27.70
5400	-29.81	-27.50	-35.67	-29.70	-27.64	-29.27	-24.91	-24.79	-23.17	-25.33
5600	-27.62	-28.73	-35.50	-26.89	-26.28	-27.48	-23.06	-22.96	-21.41	-23.41
5800	-28.19	-29.98	-30.90	-24.41	-24.49	-25.40	-21.33	-21.26	-19.81	-21.64
6000	-33.13	-30.07	-27.32	-22.50	-22.79	-23.56	-19.92	-19.86	-18.50	-20.21
6200	-30.36	-28.00	-24.38	-20.72	-21.12	-21.78	-18.49	-18.45	-17.17	-18.76
6400	-22.83	-25.19	-22.39	-19.38	-19.84	-20.41	-17.35	-17.32	-16.07	-17.60
6600	-19.18	-22.69	-20.77	-18.20	-18.69	-19.17	-16.28	-16.26	-15.04	-16.51
6800	-17.66	-20.91	-19.47	-17.18	-17.71	-18.08	-15.31	-15.30	-14.10	-15.53
7000	-17.51	-19.75	-18.43	-16.35	-16.93	-17.18	-14.48	-14.47	-13.29	-14.69
7200	-17.71	-18.77	-17.45	-15.59	-16.24	-16.37	-13.73	-13.72	-12.56	-13.92
7400	-17.01	-17.73	-16.52	-14.95	-15.69	-15.71	-13.10	-13.09	-11.94	-13.27
7600	-15.28	-16.41	-15.46	-14.31	-15.15	-15.08	-12.52	-12.50	-11.36	-12.67
7700	-14.48	-15.76	-14.96	-14.04	-14.93	-14.82	-12.27	-12.26	-11.12	-12.42
7800	-13.78	-15.09	-14.43	-13.75	-14.70	-14.55	-12.04	-12.02	-10.89	-12.18
7900	-13.26	-14.47	-13.95	-13.51	-14.50	-14.33	-11.84	-11.83	-10.70	-11.98
8000	-12.85	-13.86	-13.46	-13.26	-14.29	-14.10	-11.65	-11.63	-10.50	-11.78

# Programmable Attenuator

**RC8DAT-8G-95PE**

## Typical Performance Data

Test Conditions: @ Temperature = +50°C.

Freq. (MHz)	Return Loss Out (dB)									
	0.25 dB	10 dB	20 dB	30 dB	50 dB	60 dB	70 dB	80 dB	90 dB	95 dB
1	-11.48	-18.88	-29.73	-33.92	-30.32	-32.61	-32.60	-32.62	-32.31	-29.77
50	-11.67	-19.22	-32.62	-52.59	-33.70	-39.67	-39.64	-39.71	-38.49	-32.69
100	-11.83	-19.35	-32.81	-51.74	-33.62	-40.02	-39.97	-40.05	-38.31	-32.64
200	-12.30	-19.60	-32.72	-47.03	-33.73	-39.23	-39.18	-39.27	-38.09	-32.75
300	-12.96	-19.77	-31.84	-43.73	-34.54	-36.90	-36.87	-36.92	-38.68	-33.52
400	-13.90	-20.01	-31.21	-42.37	-35.61	-35.43	-35.40	-35.45	-39.62	-34.50
600	-16.63	-20.67	-30.45	-38.26	-35.55	-33.25	-33.24	-33.27	-37.34	-34.62
800	-20.99	-20.98	-29.61	-35.82	-36.25	-31.34	-31.33	-31.35	-35.94	-35.52
1000	-25.71	-20.74	-28.79	-33.80	-36.07	-29.82	-29.82	-29.83	-34.14	-35.67
1200	-24.05	-20.15	-28.07	-32.27	-35.32	-28.71	-28.71	-28.71	-32.63	-35.22
1400	-21.06	-19.46	-27.18	-30.86	-34.69	-27.73	-27.73	-27.73	-31.45	-34.90
1600	-20.21	-19.03	-26.30	-29.57	-33.58	-26.90	-26.91	-26.90	-30.31	-34.01
1800	-21.39	-18.94	-25.60	-28.60	-32.41	-26.33	-26.33	-26.32	-29.37	-32.90
2000	-24.09	-18.98	-24.94	-27.84	-31.57	-25.99	-26.00	-25.99	-28.81	-32.19
2200	-23.61	-18.82	-24.19	-26.99	-30.53	-25.72	-25.73	-25.72	-28.24	-31.23
2400	-19.38	-18.41	-23.52	-26.29	-29.60	-25.59	-25.59	-25.59	-27.77	-30.33
2600	-16.07	-17.87	-23.12	-25.94	-29.17	-25.89	-25.89	-25.89	-27.79	-29.94
2800	-14.06	-17.33	-22.81	-25.61	-28.65	-26.34	-26.33	-26.34	-27.89	-29.43
3000	-13.14	-17.04	-22.76	-25.49	-28.33	-26.99	-26.98	-27.00	-28.17	-29.10
3200	-13.14	-17.09	-22.98	-25.50	-28.04	-27.92	-27.91	-27.93	-28.64	-28.77
3400	-14.09	-17.55	-23.54	-25.69	-27.81	-29.13	-29.12	-29.13	-29.31	-28.46
3600	-15.96	-18.25	-24.26	-25.92	-27.61	-30.21	-30.22	-30.22	-29.95	-28.19
3800	-18.97	-19.18	-25.30	-26.36	-27.58	-31.24	-31.27	-31.24	-30.78	-28.04
4000	-23.00	-20.19	-26.42	-26.66	-27.24	-30.88	-30.91	-30.88	-30.88	-27.51
4200	-25.51	-21.05	-27.31	-26.74	-26.72	-29.34	-29.36	-29.35	-30.12	-26.80
4400	-25.22	-21.99	-28.32	-26.93	-26.27	-27.60	-27.61	-27.61	-29.04	-26.15
4600	-25.50	-23.36	-29.51	-26.98	-25.63	-25.71	-25.71	-25.71	-27.47	-25.31
4800	-28.04	-25.38	-30.42	-26.66	-24.79	-23.94	-23.93	-23.94	-25.78	-24.31
5000	-35.13	-28.34	-31.01	-26.19	-23.95	-22.44	-22.43	-22.44	-24.25	-23.38
5200	-36.41	-31.96	-29.69	-25.13	-22.85	-20.94	-20.93	-20.93	-22.59	-22.24
5400	-30.65	-31.44	-27.43	-23.95	-21.84	-19.73	-19.73	-19.73	-21.23	-21.24
5600	-31.48	-27.15	-24.60	-22.52	-20.76	-18.60	-18.60	-18.60	-19.89	-20.20
5800	-44.28	-23.31	-22.03	-21.08	-19.73	-17.65	-17.65	-17.65	-18.71	-19.25
6000	-25.24	-20.31	-19.85	-19.66	-18.71	-16.81	-16.82	-16.81	-17.64	-18.33
6200	-17.93	-17.76	-18.03	-18.43	-17.86	-16.19	-16.19	-16.18	-16.76	-17.57
6400	-14.36	-15.92	-16.69	-17.48	-17.20	-15.79	-15.79	-15.79	-16.09	-16.99
6600	-12.46	-14.56	-15.61	-16.65	-16.58	-15.48	-15.48	-15.48	-15.49	-16.44
6800	-11.80	-13.70	-14.84	-16.01	-16.08	-15.32	-15.32	-15.32	-15.01	-15.99
7000	-11.98	-13.21	-14.34	-15.55	-15.68	-15.31	-15.31	-15.31	-14.65	-15.63
7200	-12.51	-12.94	-14.04	-15.24	-15.38	-15.43	-15.43	-15.43	-14.40	-15.37
7400	-12.75	-12.80	-13.98	-15.15	-15.28	-15.79	-15.79	-15.79	-14.35	-15.29
7600	-12.33	-12.59	-13.92	-15.05	-15.19	-16.25	-16.24	-16.24	-14.34	-15.24
7700	-12.09	-12.47	-13.88	-15.01	-15.15	-16.51	-16.50	-16.50	-14.36	-15.23
7800	-11.98	-12.37	-13.86	-14.99	-15.16	-16.85	-16.84	-16.84	-14.43	-15.26
7900	-12.08	-12.34	-13.88	-15.04	-15.24	-17.28	-17.27	-17.27	-14.58	-15.38
8000	-12.38	-12.31	-13.87	-15.06	-15.32	-17.71	-17.71	-17.70	-14.73	-15.48



# Programmable Attenuator

**RC8DAT-8G-95PE**

## Typical Performance Data

Test Conditions: @ Temperature = +50°C.

Freq. (MHz)	I. Loss (dB)
1	-2.92
50	-3.00
100	-3.06
200	-3.20
300	-3.37
400	-3.53
600	-3.85
800	-4.11
1000	-4.28
1200	-4.41
1400	-4.53
1600	-4.67
1800	-4.83
2000	-4.97
2200	-5.10
2400	-5.21
2600	-5.31
2800	-5.42
3000	-5.52
3200	-5.65
3400	-5.79
3600	-5.97
3800	-6.19
4000	-6.42
4200	-6.65
4400	-6.86
4600	-7.03
4800	-7.20
5000	-7.37
5200	-7.54
5400	-7.70
5600	-7.82
5800	-7.90
6000	-8.00
6200	-8.19
6400	-8.46
6600	-8.80
6800	-9.12
7000	-9.36
7200	-9.56
7400	-9.75
7600	-9.98
7700	-10.10
7800	-10.22
7900	-10.34
8000	-10.46

Freq. (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