

Programmable Attenuator

RC4DAT-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 | -0.30 | -10.14 | -20.09 | -29.74 | -49.48 | -59.20 | -68.82 | -78.74 | -87.99 | -92.69 |
| 50 | -0.30 | -10.12 | -20.07 | -29.72 | -49.46 | -59.17 | -68.83 | -78.73 | -88.28 | -93.00 |
| 100 | -0.30 | -10.10 | -20.05 | -29.70 | -49.45 | -59.16 | -68.82 | -78.71 | -88.27 | -92.96 |
| 200 | -0.29 | -10.06 | -19.99 | -29.64 | -49.39 | -59.10 | -68.76 | -78.61 | -88.23 | -93.07 |
| 300 | -0.29 | -10.01 | -19.94 | -29.59 | -49.34 | -59.05 | -68.70 | -78.57 | -88.12 | -92.77 |
| 400 | -0.29 | -9.94 | -19.87 | -29.52 | -49.27 | -58.98 | -68.64 | -78.50 | -88.17 | -92.75 |
| 600 | -0.28 | -9.79 | -19.71 | -29.36 | -49.11 | -58.83 | -68.49 | -78.34 | -87.89 | -92.69 |
| 800 | -0.26 | -9.68 | -19.59 | -29.24 | -49.01 | -58.72 | -68.39 | -78.27 | -87.86 | -92.64 |
| 1000 | -0.26 | -9.64 | -19.55 | -29.19 | -48.98 | -58.71 | -68.38 | -78.27 | -87.76 | -92.81 |
| 1200 | -0.26 | -9.64 | -19.55 | -29.20 | -49.01 | -58.74 | -68.42 | -78.32 | -88.01 | -92.72 |
| 1400 | -0.26 | -9.65 | -19.57 | -29.22 | -49.05 | -58.79 | -68.48 | -78.38 | -87.93 | -92.68 |
| 1600 | -0.25 | -9.65 | -19.57 | -29.22 | -49.07 | -58.83 | -68.54 | -78.50 | -88.11 | -92.65 |
| 1800 | -0.25 | -9.65 | -19.56 | -29.21 | -49.09 | -58.86 | -68.59 | -78.53 | -88.22 | -93.04 |
| 2000 | -0.25 | -9.65 | -19.57 | -29.22 | -49.13 | -58.90 | -68.66 | -78.63 | -88.31 | -92.80 |
| 2200 | -0.25 | -9.67 | -19.60 | -29.25 | -49.19 | -58.99 | -68.76 | -78.76 | -88.43 | -93.17 |
| 2400 | -0.25 | -9.72 | -19.66 | -29.32 | -49.30 | -59.09 | -68.90 | -78.92 | -88.71 | -93.27 |
| 2600 | -0.26 | -9.79 | -19.75 | -29.42 | -49.43 | -59.24 | -69.08 | -79.14 | -89.03 | -93.74 |
| 2800 | -0.26 | -9.85 | -19.84 | -29.51 | -49.56 | -59.40 | -69.26 | -79.32 | -89.17 | -94.23 |
| 3000 | -0.27 | -9.90 | -19.91 | -29.59 | -49.69 | -59.53 | -69.44 | -79.54 | -89.50 | -94.34 |
| 3200 | -0.27 | -9.91 | -19.95 | -29.64 | -49.79 | -59.63 | -69.55 | -79.72 | -89.54 | -94.40 |
| 3400 | -0.27 | -9.91 | -19.97 | -29.67 | -49.86 | -59.74 | -69.69 | -79.92 | -89.75 | -94.66 |
| 3600 | -0.28 | -9.90 | -19.99 | -29.69 | -49.94 | -59.83 | -69.82 | -80.05 | -89.91 | -94.99 |
| 3800 | -0.28 | -9.88 | -20.00 | -29.72 | -50.02 | -59.94 | -69.96 | -80.22 | -90.20 | -95.22 |
| 4000 | -0.27 | -9.86 | -20.01 | -29.74 | -50.10 | -60.04 | -70.11 | -80.44 | -90.47 | -95.50 |
| 4200 | -0.27 | -9.85 | -20.02 | -29.78 | -50.20 | -60.15 | -70.26 | -80.63 | -90.75 | -96.03 |
| 4400 | -0.27 | -9.84 | -20.04 | -29.82 | -50.31 | -60.30 | -70.44 | -80.86 | -90.87 | -95.99 |
| 4600 | -0.27 | -9.84 | -20.07 | -29.88 | -50.44 | -60.47 | -70.65 | -81.07 | -91.09 | -96.22 |
| 4800 | -0.27 | -9.85 | -20.12 | -29.95 | -50.59 | -60.65 | -70.85 | -81.32 | -91.37 | -96.42 |
| 5000 | -0.27 | -9.86 | -20.17 | -30.03 | -50.75 | -60.83 | -71.11 | -81.49 | -91.53 | -96.49 |
| 5200 | -0.27 | -9.87 | -20.22 | -30.12 | -50.91 | -61.06 | -71.35 | -81.84 | -92.07 | -96.76 |
| 5400 | -0.27 | -9.89 | -20.27 | -30.21 | -51.08 | -61.24 | -71.55 | -81.99 | -91.91 | -97.34 |
| 5600 | -0.27 | -9.92 | -20.34 | -30.32 | -51.25 | -61.49 | -71.75 | -82.33 | -92.57 | -97.58 |
| 5800 | -0.28 | -9.97 | -20.43 | -30.45 | -51.42 | -61.71 | -72.02 | -82.49 | -92.74 | -97.53 |
| 6000 | -0.29 | -10.04 | -20.54 | -30.60 | -51.61 | -61.93 | -72.24 | -82.77 | -93.35 | -98.19 |
| 6200 | -0.30 | -10.12 | -20.65 | -30.73 | -51.76 | -62.10 | -72.42 | -82.97 | -93.15 | -98.38 |
| 6400 | -0.31 | -10.15 | -20.69 | -30.79 | -51.83 | -62.19 | -72.47 | -83.22 | -93.12 | -98.09 |
| 6600 | -0.31 | -10.10 | -20.63 | -30.77 | -51.78 | -62.17 | -72.47 | -83.08 | -93.54 | -98.82 |
| 6800 | -0.31 | -10.06 | -20.59 | -30.74 | -51.72 | -62.10 | -72.37 | -82.98 | -93.31 | -98.82 |
| 7000 | -0.30 | -10.04 | -20.57 | -30.75 | -51.69 | -62.05 | -72.29 | -82.86 | -93.17 | -98.78 |
| 7200 | -0.30 | -10.06 | -20.61 | -30.80 | -51.69 | -62.02 | -72.24 | -82.76 | -92.97 | -98.79 |
| 7400 | -0.29 | -10.10 | -20.66 | -30.88 | -51.72 | -61.99 | -72.14 | -82.56 | -92.72 | -97.54 |
| 7600 | -0.29 | -10.11 | -20.70 | -30.93 | -51.72 | -61.93 | -72.01 | -82.35 | -92.53 | -97.22 |
| 7700 | -0.29 | -10.11 | -20.72 | -30.95 | -51.72 | -61.89 | -71.93 | -82.27 | -92.23 | -97.47 |
| 7800 | -0.30 | -10.12 | -20.75 | -30.97 | -51.72 | -61.86 | -71.86 | -82.09 | -92.13 | -97.21 |
| 7900 | -0.30 | -10.14 | -20.78 | -31.00 | -51.72 | -61.84 | -71.79 | -81.93 | -92.23 | -97.92 |
| 8000 | -0.31 | -10.17 | -20.83 | -31.05 | -51.73 | -61.81 | -71.67 | -81.82 | -91.87 | -97.64 |

Programmable Attenuator

RC4DAT-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 | -0.05 | -0.14 | -0.09 | 0.26 | 0.52 | 0.80 | 1.18 | 1.26 | 2.01 | 2.31 |
| 50 | -0.05 | -0.12 | -0.07 | 0.28 | 0.54 | 0.83 | 1.17 | 1.27 | 1.72 | 2.00 |
| 100 | -0.05 | -0.10 | -0.05 | 0.30 | 0.55 | 0.84 | 1.18 | 1.29 | 1.73 | 2.04 |
| 200 | -0.04 | -0.06 | 0.01 | 0.36 | 0.61 | 0.90 | 1.24 | 1.39 | 1.77 | 1.93 |
| 300 | -0.04 | -0.01 | 0.06 | 0.41 | 0.66 | 0.95 | 1.30 | 1.43 | 1.88 | 2.23 |
| 400 | -0.04 | 0.06 | 0.13 | 0.48 | 0.73 | 1.02 | 1.36 | 1.50 | 1.83 | 2.25 |
| 600 | -0.03 | 0.21 | 0.29 | 0.64 | 0.89 | 1.17 | 1.51 | 1.66 | 2.11 | 2.31 |
| 800 | -0.01 | 0.32 | 0.41 | 0.76 | 0.99 | 1.28 | 1.61 | 1.73 | 2.14 | 2.36 |
| 1000 | -0.01 | 0.36 | 0.45 | 0.81 | 1.02 | 1.29 | 1.62 | 1.73 | 2.24 | 2.19 |
| 1200 | -0.01 | 0.36 | 0.45 | 0.80 | 0.99 | 1.26 | 1.58 | 1.68 | 1.99 | 2.28 |
| 1400 | -0.01 | 0.35 | 0.43 | 0.78 | 0.95 | 1.21 | 1.52 | 1.62 | 2.07 | 2.32 |
| 1600 | 0.00 | 0.35 | 0.43 | 0.78 | 0.93 | 1.17 | 1.46 | 1.50 | 1.89 | 2.35 |
| 1800 | 0.00 | 0.35 | 0.44 | 0.79 | 0.91 | 1.14 | 1.41 | 1.47 | 1.78 | 1.96 |
| 2000 | 0.00 | 0.35 | 0.43 | 0.78 | 0.87 | 1.10 | 1.34 | 1.37 | 1.69 | 2.20 |
| 2200 | 0.00 | 0.33 | 0.40 | 0.75 | 0.81 | 1.01 | 1.24 | 1.24 | 1.57 | 1.83 |
| 2400 | 0.00 | 0.28 | 0.34 | 0.68 | 0.70 | 0.91 | 1.10 | 1.08 | 1.29 | 1.73 |
| 2600 | -0.01 | 0.21 | 0.25 | 0.58 | 0.57 | 0.76 | 0.92 | 0.86 | 0.97 | 1.26 |
| 2800 | -0.01 | 0.15 | 0.16 | 0.49 | 0.44 | 0.60 | 0.74 | 0.68 | 0.83 | 0.77 |
| 3000 | -0.02 | 0.10 | 0.09 | 0.41 | 0.31 | 0.47 | 0.56 | 0.46 | 0.50 | 0.66 |
| 3200 | -0.02 | 0.09 | 0.05 | 0.36 | 0.21 | 0.37 | 0.45 | 0.28 | 0.46 | 0.60 |
| 3400 | -0.02 | 0.09 | 0.03 | 0.33 | 0.14 | 0.26 | 0.31 | 0.08 | 0.25 | 0.34 |
| 3600 | -0.03 | 0.10 | 0.01 | 0.31 | 0.06 | 0.17 | 0.18 | -0.05 | 0.09 | 0.01 |
| 3800 | -0.03 | 0.12 | 0.00 | 0.28 | -0.02 | 0.06 | 0.04 | -0.22 | -0.20 | -0.22 |
| 4000 | -0.02 | 0.14 | -0.01 | 0.26 | -0.10 | -0.04 | -0.11 | -0.44 | -0.47 | -0.50 |
| 4200 | -0.02 | 0.15 | -0.02 | 0.22 | -0.20 | -0.15 | -0.26 | -0.63 | -0.75 | -1.03 |
| 4400 | -0.02 | 0.16 | -0.04 | 0.18 | -0.31 | -0.30 | -0.44 | -0.86 | -0.87 | -0.99 |
| 4600 | -0.02 | 0.16 | -0.07 | 0.12 | -0.44 | -0.47 | -0.65 | -1.07 | -1.09 | -1.22 |
| 4800 | -0.02 | 0.15 | -0.12 | 0.05 | -0.59 | -0.65 | -0.85 | -1.32 | -1.37 | -1.42 |
| 5000 | -0.02 | 0.14 | -0.17 | -0.03 | -0.75 | -0.83 | -1.11 | -1.49 | -1.53 | -1.49 |
| 5200 | -0.02 | 0.13 | -0.22 | -0.12 | -0.91 | -1.06 | -1.35 | -1.84 | -2.07 | -1.76 |
| 5400 | -0.02 | 0.11 | -0.27 | -0.21 | -1.08 | -1.24 | -1.55 | -1.99 | -1.91 | -2.34 |
| 5600 | -0.02 | 0.08 | -0.34 | -0.32 | -1.25 | -1.49 | -1.75 | -2.33 | -2.57 | -2.58 |
| 5800 | -0.03 | 0.03 | -0.43 | -0.45 | -1.42 | -1.71 | -2.02 | -2.49 | -2.74 | -2.53 |
| 6000 | -0.04 | -0.04 | -0.54 | -0.60 | -1.61 | -1.93 | -2.24 | -2.77 | -3.35 | -3.19 |
| 6200 | -0.05 | -0.12 | -0.65 | -0.73 | -1.76 | -2.10 | -2.42 | -2.97 | -3.15 | -3.38 |
| 6400 | -0.06 | -0.15 | -0.69 | -0.79 | -1.83 | -2.19 | -2.47 | -3.22 | -3.12 | -3.09 |
| 6600 | -0.06 | -0.10 | -0.63 | -0.77 | -1.78 | -2.17 | -2.47 | -3.08 | -3.54 | -3.82 |
| 6800 | -0.06 | -0.06 | -0.59 | -0.74 | -1.72 | -2.10 | -2.37 | -2.98 | -3.31 | -3.82 |
| 7000 | -0.05 | -0.04 | -0.57 | -0.75 | -1.69 | -2.05 | -2.29 | -2.86 | -3.17 | -3.78 |
| 7200 | -0.05 | -0.06 | -0.61 | -0.80 | -1.69 | -2.02 | -2.24 | -2.76 | -2.97 | -3.79 |
| 7400 | -0.04 | -0.10 | -0.66 | -0.88 | -1.72 | -1.99 | -2.14 | -2.56 | -2.72 | -2.54 |
| 7600 | -0.04 | -0.11 | -0.70 | -0.93 | -1.72 | -1.93 | -2.01 | -2.35 | -2.53 | -2.22 |
| 7700 | -0.04 | -0.11 | -0.72 | -0.95 | -1.72 | -1.89 | -1.93 | -2.27 | -2.23 | -2.47 |
| 7800 | -0.05 | -0.12 | -0.75 | -0.97 | -1.72 | -1.86 | -1.86 | -2.09 | -2.13 | -2.21 |
| 7900 | -0.05 | -0.14 | -0.78 | -1.00 | -1.72 | -1.84 | -1.79 | -1.93 | -2.23 | -2.92 |
| 8000 | -0.06 | -0.17 | -0.83 | -1.05 | -1.73 | -1.81 | -1.67 | -1.82 | -1.87 | -2.64 |

Programmable Attenuator

RC4DAT-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 | -12.59 | -24.38 | -29.30 | -37.88 | -29.75 | -27.34 | -22.69 | -22.63 | -22.80 | -22.18 |
| 50 | -12.66 | -24.46 | -29.66 | -45.39 | -31.18 | -28.24 | -23.13 | -23.06 | -23.24 | -22.59 |
| 100 | -12.76 | -24.15 | -29.00 | -48.56 | -32.20 | -28.97 | -23.53 | -23.47 | -23.64 | -22.96 |
| 200 | -13.18 | -24.09 | -28.46 | -53.61 | -33.48 | -29.85 | -24.05 | -23.97 | -24.15 | -23.43 |
| 300 | -13.97 | -24.78 | -28.85 | -46.92 | -32.86 | -29.52 | -23.93 | -23.85 | -24.03 | -23.32 |
| 400 | -15.16 | -25.83 | -29.66 | -44.66 | -31.88 | -28.86 | -23.59 | -23.51 | -23.69 | -23.02 |
| 600 | -18.18 | -27.18 | -30.01 | -47.24 | -32.10 | -28.93 | -23.61 | -23.53 | -23.67 | -23.02 |
| 800 | -23.73 | -28.74 | -30.21 | -46.55 | -32.19 | -28.95 | -23.60 | -23.52 | -23.63 | -23.00 |
| 1000 | -34.07 | -29.23 | -30.06 | -49.60 | -32.77 | -29.19 | -23.67 | -23.58 | -23.61 | -23.03 |
| 1200 | -30.79 | -28.95 | -29.50 | -52.76 | -33.72 | -29.69 | -23.86 | -23.76 | -23.72 | -23.19 |
| 1400 | -25.62 | -28.58 | -28.98 | -52.00 | -34.65 | -30.17 | -24.03 | -23.92 | -23.79 | -23.32 |
| 1600 | -24.42 | -28.30 | -28.31 | -48.33 | -36.17 | -30.96 | -24.33 | -24.21 | -23.97 | -23.57 |
| 1800 | -25.92 | -28.50 | -27.78 | -45.91 | -37.96 | -31.91 | -24.67 | -24.54 | -24.18 | -23.86 |
| 2000 | -29.93 | -29.08 | -27.58 | -45.55 | -39.06 | -32.54 | -24.84 | -24.72 | -24.26 | -24.01 |
| 2200 | -29.22 | -28.98 | -27.31 | -43.71 | -40.36 | -33.25 | -25.01 | -24.90 | -24.30 | -24.17 |
| 2400 | -23.43 | -28.03 | -26.94 | -42.26 | -41.93 | -34.14 | -25.22 | -25.11 | -24.39 | -24.36 |
| 2600 | -19.66 | -26.80 | -26.69 | -41.97 | -42.14 | -34.52 | -25.21 | -25.11 | -24.28 | -24.36 |
| 2800 | -17.42 | -25.30 | -26.06 | -39.91 | -44.29 | -35.58 | -25.39 | -25.31 | -24.31 | -24.53 |
| 3000 | -16.22 | -24.10 | -25.33 | -37.83 | -47.88 | -37.27 | -25.67 | -25.59 | -24.44 | -24.78 |
| 3200 | -15.86 | -23.32 | -24.66 | -36.12 | -48.71 | -39.37 | -25.94 | -25.86 | -24.55 | -25.03 |
| 3400 | -16.12 | -22.77 | -23.93 | -34.32 | -44.61 | -42.94 | -26.31 | -26.23 | -24.73 | -25.36 |
| 3600 | -16.96 | -22.35 | -23.06 | -32.14 | -38.84 | -50.97 | -27.04 | -26.94 | -25.22 | -26.01 |
| 3800 | -18.73 | -22.41 | -22.41 | -30.44 | -34.23 | -42.24 | -27.65 | -27.51 | -25.74 | -26.60 |
| 4000 | -21.58 | -22.74 | -21.92 | -29.18 | -31.42 | -36.89 | -27.88 | -27.72 | -26.02 | -26.89 |
| 4200 | -25.00 | -23.04 | -21.42 | -27.81 | -29.04 | -33.15 | -27.98 | -27.79 | -26.35 | -27.14 |
| 4400 | -25.29 | -23.41 | -21.16 | -26.71 | -27.18 | -30.34 | -27.28 | -27.10 | -26.17 | -26.73 |
| 4600 | -22.55 | -23.60 | -21.07 | -25.78 | -25.78 | -28.31 | -26.16 | -26.01 | -25.53 | -25.86 |
| 4800 | -20.57 | -23.51 | -20.98 | -24.63 | -24.40 | -26.38 | -24.88 | -24.75 | -24.68 | -24.79 |
| 5000 | -20.18 | -23.75 | -21.18 | -23.45 | -23.09 | -24.54 | -23.12 | -23.00 | -23.17 | -23.14 |
| 5200 | -21.19 | -24.25 | -21.56 | -22.39 | -22.00 | -23.07 | -21.51 | -21.41 | -21.64 | -21.59 |
| 5400 | -22.62 | -24.46 | -21.67 | -21.04 | -20.71 | -21.49 | -19.92 | -19.82 | -20.07 | -20.01 |
| 5600 | -23.03 | -24.30 | -21.56 | -19.62 | -19.34 | -19.90 | -18.25 | -18.16 | -18.36 | -18.34 |
| 5800 | -22.45 | -23.69 | -21.15 | -18.29 | -18.04 | -18.46 | -16.67 | -16.59 | -16.69 | -16.73 |
| 6000 | -23.18 | -22.79 | -20.42 | -17.14 | -16.90 | -17.25 | -15.35 | -15.28 | -15.30 | -15.41 |
| 6200 | -27.43 | -21.45 | -19.39 | -16.04 | -15.77 | -16.10 | -14.13 | -14.07 | -14.01 | -14.17 |
| 6400 | -26.89 | -19.84 | -18.43 | -15.10 | -14.80 | -15.10 | -13.06 | -13.01 | -12.88 | -13.09 |
| 6600 | -19.14 | -17.84 | -17.45 | -14.21 | -13.85 | -14.12 | -12.00 | -11.96 | -11.76 | -12.03 |
| 6800 | -16.79 | -16.68 | -16.87 | -13.71 | -13.33 | -13.56 | -11.40 | -11.36 | -11.12 | -11.42 |
| 7000 | -15.32 | -15.58 | -16.33 | -13.29 | -12.89 | -13.04 | -10.80 | -10.77 | -10.48 | -10.82 |
| 7200 | -14.93 | -14.74 | -15.85 | -13.02 | -12.63 | -12.69 | -10.36 | -10.33 | -9.99 | -10.37 |
| 7400 | -14.42 | -13.94 | -15.26 | -12.82 | -12.48 | -12.44 | -10.02 | -10.00 | -9.62 | -10.04 |
| 7600 | -13.22 | -13.03 | -14.50 | -12.67 | -12.41 | -12.27 | -9.78 | -9.76 | -9.34 | -9.79 |
| 7700 | -12.49 | -12.56 | -14.07 | -12.61 | -12.40 | -12.21 | -9.70 | -9.67 | -9.24 | -9.70 |
| 7800 | -11.79 | -12.10 | -13.63 | -12.55 | -12.40 | -12.16 | -9.63 | -9.60 | -9.15 | -9.63 |
| 7900 | -11.20 | -11.64 | -13.18 | -12.49 | -12.40 | -12.13 | -9.58 | -9.56 | -9.09 | -9.58 |
| 8000 | -10.74 | -11.22 | -12.74 | -12.43 | -12.40 | -12.10 | -9.56 | -9.53 | -9.05 | -9.55 |

Programmable Attenuator

RC4DAT-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 | -12.59 | -23.72 | -32.40 | -26.84 | -24.35 | -29.70 | -29.64 | -26.37 | -24.59 | -23.97 |
| 50 | -12.62 | -23.69 | -35.25 | -27.85 | -25.03 | -31.32 | -31.27 | -27.32 | -25.30 | -24.63 |
| 100 | -12.67 | -23.26 | -37.63 | -28.87 | -25.77 | -32.74 | -32.67 | -28.19 | -26.03 | -25.31 |
| 200 | -13.19 | -23.34 | -39.65 | -29.54 | -26.22 | -33.70 | -33.63 | -28.74 | -26.45 | -25.71 |
| 300 | -13.97 | -24.14 | -37.28 | -28.72 | -25.61 | -32.20 | -32.16 | -27.91 | -25.84 | -25.16 |
| 400 | -14.74 | -24.40 | -37.89 | -28.91 | -25.66 | -31.97 | -31.95 | -27.89 | -25.87 | -25.21 |
| 600 | -17.52 | -24.69 | -40.59 | -29.77 | -26.06 | -32.32 | -32.30 | -28.23 | -26.20 | -25.53 |
| 800 | -21.76 | -24.21 | -40.34 | -30.67 | -26.46 | -31.88 | -31.91 | -28.42 | -26.52 | -25.89 |
| 1000 | -28.77 | -22.98 | -38.71 | -31.97 | -27.15 | -32.00 | -32.04 | -28.94 | -27.12 | -26.53 |
| 1200 | -26.41 | -21.53 | -35.29 | -33.14 | -27.95 | -31.91 | -31.96 | -29.43 | -27.76 | -27.23 |
| 1400 | -22.31 | -20.48 | -33.23 | -34.08 | -28.77 | -32.07 | -32.11 | -29.98 | -28.45 | -27.98 |
| 1600 | -21.18 | -19.86 | -31.36 | -34.33 | -29.59 | -31.96 | -31.97 | -30.36 | -29.07 | -28.71 |
| 1800 | -22.59 | -19.72 | -30.27 | -34.56 | -30.52 | -32.19 | -32.19 | -30.90 | -29.80 | -29.56 |
| 2000 | -27.34 | -20.03 | -29.77 | -34.49 | -31.07 | -32.32 | -32.30 | -31.11 | -30.16 | -30.05 |
| 2200 | -31.01 | -20.37 | -29.14 | -33.69 | -31.23 | -31.88 | -31.85 | -30.86 | -30.18 | -30.26 |
| 2400 | -23.49 | -20.57 | -28.55 | -32.76 | -31.10 | -31.25 | -31.22 | -30.38 | -29.95 | -30.24 |
| 2600 | -18.78 | -20.38 | -27.69 | -31.54 | -30.79 | -30.34 | -30.31 | -29.75 | -29.60 | -30.14 |
| 2800 | -15.93 | -19.87 | -26.98 | -30.94 | -31.05 | -29.99 | -29.97 | -29.69 | -29.77 | -30.62 |
| 3000 | -14.44 | -19.49 | -26.69 | -30.73 | -31.33 | -29.92 | -29.92 | -29.78 | -29.96 | -31.09 |
| 3200 | -13.85 | -19.24 | -26.63 | -30.83 | -31.99 | -30.24 | -30.24 | -30.28 | -30.51 | -31.99 |
| 3400 | -14.17 | -19.32 | -27.06 | -31.52 | -33.24 | -31.23 | -31.26 | -31.34 | -31.51 | -33.39 |
| 3600 | -15.26 | -19.60 | -27.65 | -32.35 | -35.07 | -32.86 | -32.90 | -32.95 | -32.94 | -35.41 |
| 3800 | -17.08 | -19.97 | -28.40 | -33.32 | -38.13 | -35.79 | -35.84 | -35.55 | -35.18 | -38.72 |
| 4000 | -19.62 | -20.27 | -29.16 | -34.28 | -44.53 | -41.89 | -42.00 | -39.49 | -38.68 | -45.75 |
| 4200 | -22.15 | -20.30 | -29.58 | -34.63 | -52.48 | -48.10 | -48.15 | -41.01 | -41.86 | -51.13 |
| 4400 | -23.24 | -20.09 | -29.51 | -34.27 | -42.87 | -39.01 | -39.04 | -37.52 | -40.31 | -41.58 |
| 4600 | -22.93 | -19.89 | -29.32 | -33.12 | -35.86 | -32.81 | -32.83 | -32.98 | -35.64 | -35.18 |
| 4800 | -22.87 | -20.06 | -29.70 | -32.26 | -31.90 | -28.82 | -28.84 | -29.28 | -31.35 | -31.18 |
| 5000 | -23.80 | -20.74 | -30.64 | -30.74 | -28.58 | -25.63 | -25.64 | -26.16 | -27.80 | -27.84 |
| 5200 | -26.12 | -22.13 | -33.45 | -29.65 | -26.36 | -23.39 | -23.39 | -23.88 | -25.23 | -25.53 |
| 5400 | -28.37 | -24.27 | -34.88 | -27.53 | -24.26 | -21.44 | -21.44 | -21.93 | -23.08 | -23.47 |
| 5600 | -29.79 | -28.18 | -31.12 | -25.07 | -22.22 | -19.64 | -19.64 | -20.06 | -20.98 | -21.48 |
| 5800 | -30.12 | -30.93 | -26.44 | -22.92 | -20.64 | -18.29 | -18.29 | -18.66 | -19.42 | -19.99 |
| 6000 | -33.33 | -26.78 | -22.17 | -20.53 | -18.91 | -16.92 | -16.92 | -17.20 | -17.77 | -18.39 |
| 6200 | -25.00 | -21.65 | -19.25 | -18.72 | -17.63 | -15.97 | -15.97 | -16.17 | -16.56 | -17.23 |
| 6400 | -18.23 | -18.33 | -17.20 | -17.33 | -16.62 | -15.29 | -15.29 | -15.39 | -15.63 | -16.34 |
| 6600 | -14.13 | -15.64 | -15.34 | -15.91 | -15.51 | -14.60 | -14.60 | -14.57 | -14.61 | -15.34 |
| 6800 | -12.94 | -14.52 | -14.50 | -15.21 | -14.93 | -14.31 | -14.31 | -14.18 | -14.08 | -14.81 |
| 7000 | -12.33 | -13.56 | -13.74 | -14.57 | -14.38 | -14.12 | -14.12 | -13.85 | -13.58 | -14.31 |
| 7200 | -12.43 | -13.06 | -13.31 | -14.17 | -14.02 | -14.14 | -14.15 | -13.71 | -13.26 | -13.99 |
| 7400 | -12.42 | -12.81 | -13.13 | -13.97 | -13.82 | -14.36 | -14.36 | -13.73 | -13.09 | -13.81 |
| 7600 | -11.92 | -12.62 | -13.09 | -13.90 | -13.75 | -14.75 | -14.75 | -13.89 | -13.05 | -13.76 |
| 7700 | -11.61 | -12.56 | -13.13 | -13.92 | -13.79 | -15.05 | -15.05 | -14.05 | -13.10 | -13.80 |
| 7800 | -11.41 | -12.54 | -13.20 | -13.99 | -13.87 | -15.42 | -15.41 | -14.26 | -13.20 | -13.89 |
| 7900 | -11.39 | -12.53 | -13.27 | -14.07 | -13.98 | -15.83 | -15.83 | -14.50 | -13.34 | -14.01 |
| 8000 | -11.63 | -12.55 | -13.36 | -14.17 | -14.12 | -16.30 | -16.30 | -14.78 | -13.50 | -14.17 |

Programmable Attenuator

RC4DAT-8G-95PE

Typical Performance Data

Test Conditions: @ Temperature = 0°C.

| Freq. (MHz) | I. Loss (dB) |
|-------------|--------------|
| 1 | -2.59 |
| 50 | -2.65 |
| 100 | -2.73 |
| 200 | -2.86 |
| 300 | -2.98 |
| 400 | -3.11 |
| 600 | -3.39 |
| 800 | -3.63 |
| 1000 | -3.80 |
| 1200 | -3.91 |
| 1400 | -4.03 |
| 1600 | -4.17 |
| 1800 | -4.32 |
| 2000 | -4.46 |
| 2200 | -4.59 |
| 2400 | -4.69 |
| 2600 | -4.77 |
| 2800 | -4.86 |
| 3000 | -4.97 |
| 3200 | -5.12 |
| 3400 | -5.29 |
| 3600 | -5.48 |
| 3800 | -5.67 |
| 4000 | -5.87 |
| 4200 | -6.07 |
| 4400 | -6.25 |
| 4600 | -6.43 |
| 4800 | -6.59 |
| 5000 | -6.74 |
| 5200 | -6.89 |
| 5400 | -7.03 |
| 5600 | -7.16 |
| 5800 | -7.27 |
| 6000 | -7.37 |
| 6200 | -7.49 |
| 6400 | -7.68 |
| 6600 | -8.04 |
| 6800 | -8.28 |
| 7000 | -8.57 |
| 7200 | -8.82 |
| 7400 | -9.06 |
| 7600 | -9.35 |
| 7700 | -9.51 |
| 7800 | -9.66 |
| 7900 | -9.82 |
| 8000 | -9.96 |

| Freq. (MHz) | IP3 (dBm) |
|-------------|-----------|
| 1 | 43.83 |
| 5 | 51.26 |
| 10 | 50.38 |
| 50 | 53.66 |
| 100 | 51.62 |
| 200 | 53.01 |
| 300 | 52.76 |
| 400 | 53.62 |
| 500 | 54.05 |
| 600 | 53.78 |
| 700 | 53.10 |
| 800 | 52.10 |
| 900 | 51.41 |
| 1000 | 53.10 |
| 1500 | 53.33 |
| 2000 | 52.88 |
| 2500 | 53.91 |
| 3000 | 54.14 |
| 3500 | 55.27 |
| 4000 | 50.05 |
| 4500 | 47.59 |
| 5000 | 53.15 |
| 5500 | 48.70 |
| 6000 | 48.01 |
| 6500 | 47.30 |
| 7000 | 48.39 |
| 7500 | 51.60 |
| 8000 | 48.26 |

Programmable Attenuator

RC4DAT-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 | -0.29 | -10.05 | -19.96 | -29.57 | -49.29 | -59.01 | -68.68 | -78.39 | -87.60 | -92.26 |
| 50 | -0.29 | -10.04 | -19.95 | -29.56 | -49.27 | -58.99 | -68.65 | -78.51 | -87.99 | -92.84 |
| 100 | -0.29 | -10.04 | -19.94 | -29.55 | -49.27 | -58.99 | -68.65 | -78.50 | -88.13 | -92.74 |
| 200 | -0.29 | -9.99 | -19.89 | -29.49 | -49.21 | -58.93 | -68.58 | -78.46 | -88.04 | -92.70 |
| 300 | -0.28 | -9.92 | -19.81 | -29.42 | -49.13 | -58.85 | -68.51 | -78.39 | -88.04 | -92.67 |
| 400 | -0.28 | -9.85 | -19.73 | -29.33 | -49.05 | -58.77 | -68.42 | -78.30 | -87.93 | -92.75 |
| 600 | -0.27 | -9.69 | -19.56 | -29.15 | -48.88 | -58.60 | -68.26 | -78.14 | -87.67 | -92.36 |
| 800 | -0.26 | -9.59 | -19.44 | -29.03 | -48.77 | -58.49 | -68.16 | -78.04 | -87.65 | -92.22 |
| 1000 | -0.26 | -9.56 | -19.40 | -28.99 | -48.74 | -58.47 | -68.15 | -78.01 | -87.68 | -92.20 |
| 1200 | -0.25 | -9.58 | -19.42 | -29.00 | -48.77 | -58.49 | -68.19 | -78.05 | -87.64 | -92.38 |
| 1400 | -0.25 | -9.60 | -19.44 | -29.02 | -48.81 | -58.54 | -68.25 | -78.11 | -87.74 | -92.54 |
| 1600 | -0.25 | -9.60 | -19.44 | -29.02 | -48.84 | -58.57 | -68.30 | -78.19 | -87.81 | -92.32 |
| 1800 | -0.25 | -9.58 | -19.43 | -29.01 | -48.85 | -58.61 | -68.36 | -78.18 | -87.73 | -92.68 |
| 2000 | -0.25 | -9.58 | -19.44 | -29.02 | -48.89 | -58.66 | -68.43 | -78.35 | -87.92 | -92.52 |
| 2200 | -0.25 | -9.60 | -19.48 | -29.06 | -48.97 | -58.75 | -68.52 | -78.53 | -88.26 | -92.87 |
| 2400 | -0.25 | -9.65 | -19.54 | -29.13 | -49.07 | -58.87 | -68.68 | -78.68 | -88.29 | -93.11 |
| 2600 | -0.25 | -9.70 | -19.61 | -29.21 | -49.19 | -59.01 | -68.86 | -78.90 | -88.72 | -93.48 |
| 2800 | -0.26 | -9.75 | -19.69 | -29.30 | -49.32 | -59.15 | -69.03 | -79.03 | -88.90 | -93.63 |
| 3000 | -0.26 | -9.80 | -19.76 | -29.38 | -49.45 | -59.29 | -69.22 | -79.31 | -89.15 | -94.14 |
| 3200 | -0.27 | -9.83 | -19.83 | -29.46 | -49.58 | -59.45 | -69.40 | -79.54 | -89.28 | -94.36 |
| 3400 | -0.27 | -9.85 | -19.87 | -29.52 | -49.70 | -59.58 | -69.58 | -79.74 | -89.51 | -94.34 |
| 3600 | -0.27 | -9.84 | -19.89 | -29.55 | -49.79 | -59.70 | -69.73 | -79.96 | -90.06 | -94.79 |
| 3800 | -0.27 | -9.81 | -19.88 | -29.56 | -49.86 | -59.79 | -69.86 | -80.12 | -90.28 | -94.88 |
| 4000 | -0.27 | -9.77 | -19.84 | -29.55 | -49.91 | -59.88 | -70.00 | -80.28 | -90.47 | -94.86 |
| 4200 | -0.27 | -9.73 | -19.82 | -29.55 | -49.97 | -59.96 | -70.14 | -80.36 | -90.53 | -95.53 |
| 4400 | -0.26 | -9.73 | -19.84 | -29.59 | -50.07 | -60.09 | -70.32 | -80.64 | -90.76 | -95.52 |
| 4600 | -0.26 | -9.76 | -19.90 | -29.66 | -50.21 | -60.27 | -70.54 | -81.05 | -90.87 | -96.42 |
| 4800 | -0.27 | -9.78 | -19.97 | -29.73 | -50.36 | -60.46 | -70.74 | -81.16 | -91.37 | -95.86 |
| 5000 | -0.27 | -9.80 | -20.03 | -29.81 | -50.51 | -60.66 | -71.00 | -81.49 | -91.76 | -96.90 |
| 5200 | -0.27 | -9.83 | -20.11 | -29.90 | -50.70 | -60.87 | -71.25 | -81.80 | -91.89 | -96.14 |
| 5400 | -0.27 | -9.86 | -20.19 | -30.03 | -50.90 | -61.13 | -71.52 | -82.00 | -92.13 | -97.18 |
| 5600 | -0.27 | -9.90 | -20.26 | -30.16 | -51.10 | -61.39 | -71.80 | -82.39 | -92.54 | -97.04 |
| 5800 | -0.27 | -9.94 | -20.35 | -30.30 | -51.31 | -61.64 | -72.07 | -82.64 | -93.00 | -97.56 |
| 6000 | -0.28 | -10.02 | -20.47 | -30.47 | -51.53 | -61.88 | -72.39 | -82.84 | -92.87 | -98.59 |
| 6200 | -0.30 | -10.11 | -20.59 | -30.63 | -51.72 | -62.12 | -72.62 | -83.14 | -93.31 | -97.46 |
| 6400 | -0.31 | -10.14 | -20.62 | -30.69 | -51.80 | -62.23 | -72.73 | -83.24 | -93.65 | -98.04 |
| 6600 | -0.31 | -10.05 | -20.53 | -30.62 | -51.74 | -62.19 | -72.64 | -83.24 | -93.85 | -98.56 |
| 6800 | -0.31 | -10.00 | -20.48 | -30.58 | -51.68 | -62.11 | -72.59 | -83.18 | -93.59 | -98.46 |
| 7000 | -0.30 | -9.98 | -20.46 | -30.58 | -51.64 | -62.07 | -72.56 | -83.08 | -93.44 | -98.77 |
| 7200 | -0.29 | -10.01 | -20.49 | -30.63 | -51.65 | -62.06 | -72.49 | -83.02 | -93.15 | -98.69 |
| 7400 | -0.29 | -10.04 | -20.55 | -30.69 | -51.66 | -62.07 | -72.43 | -82.94 | -93.29 | -97.67 |
| 7600 | -0.29 | -10.06 | -20.59 | -30.74 | -51.65 | -62.02 | -72.30 | -82.87 | -93.02 | -97.34 |
| 7700 | -0.29 | -10.06 | -20.61 | -30.76 | -51.64 | -61.97 | -72.22 | -82.70 | -92.93 | -97.04 |
| 7800 | -0.29 | -10.07 | -20.63 | -30.79 | -51.64 | -61.94 | -72.14 | -82.53 | -92.86 | -97.10 |
| 7900 | -0.30 | -10.09 | -20.67 | -30.82 | -51.64 | -61.91 | -72.03 | -82.45 | -92.84 | -97.34 |
| 8000 | -0.30 | -10.12 | -20.71 | -30.86 | -51.65 | -61.89 | -71.96 | -82.31 | -92.58 | -96.88 |

Programmable Attenuator

RC4DAT-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 | -0.04 | -0.05 | 0.04 | 0.43 | 0.71 | 0.99 | 1.32 | 1.61 | 2.40 | 2.74 |
| 50 | -0.04 | -0.04 | 0.05 | 0.44 | 0.73 | 1.01 | 1.35 | 1.49 | 2.01 | 2.16 |
| 100 | -0.04 | -0.04 | 0.06 | 0.45 | 0.73 | 1.01 | 1.35 | 1.50 | 1.87 | 2.26 |
| 200 | -0.04 | 0.01 | 0.11 | 0.51 | 0.79 | 1.07 | 1.42 | 1.54 | 1.96 | 2.30 |
| 300 | -0.03 | 0.08 | 0.19 | 0.58 | 0.87 | 1.15 | 1.49 | 1.61 | 1.96 | 2.33 |
| 400 | -0.03 | 0.15 | 0.27 | 0.67 | 0.95 | 1.23 | 1.58 | 1.70 | 2.07 | 2.25 |
| 600 | -0.02 | 0.31 | 0.44 | 0.85 | 1.12 | 1.40 | 1.74 | 1.86 | 2.33 | 2.64 |
| 800 | -0.01 | 0.41 | 0.56 | 0.97 | 1.23 | 1.51 | 1.84 | 1.96 | 2.35 | 2.78 |
| 1000 | -0.01 | 0.44 | 0.60 | 1.01 | 1.26 | 1.53 | 1.85 | 1.99 | 2.32 | 2.80 |
| 1200 | 0.00 | 0.42 | 0.58 | 1.00 | 1.23 | 1.51 | 1.81 | 1.95 | 2.36 | 2.62 |
| 1400 | 0.00 | 0.40 | 0.56 | 0.98 | 1.19 | 1.46 | 1.75 | 1.89 | 2.26 | 2.46 |
| 1600 | 0.00 | 0.40 | 0.56 | 0.98 | 1.16 | 1.43 | 1.70 | 1.81 | 2.19 | 2.68 |
| 1800 | 0.00 | 0.42 | 0.57 | 0.99 | 1.15 | 1.39 | 1.64 | 1.82 | 2.27 | 2.32 |
| 2000 | 0.00 | 0.42 | 0.56 | 0.98 | 1.11 | 1.34 | 1.57 | 1.65 | 2.08 | 2.48 |
| 2200 | 0.00 | 0.40 | 0.52 | 0.94 | 1.03 | 1.25 | 1.48 | 1.47 | 1.74 | 2.13 |
| 2400 | 0.00 | 0.35 | 0.46 | 0.87 | 0.93 | 1.13 | 1.32 | 1.32 | 1.71 | 1.89 |
| 2600 | 0.00 | 0.30 | 0.39 | 0.79 | 0.81 | 0.99 | 1.14 | 1.10 | 1.28 | 1.52 |
| 2800 | -0.01 | 0.25 | 0.31 | 0.70 | 0.68 | 0.85 | 0.97 | 0.97 | 1.10 | 1.37 |
| 3000 | -0.01 | 0.20 | 0.24 | 0.62 | 0.55 | 0.71 | 0.78 | 0.69 | 0.85 | 0.86 |
| 3200 | -0.02 | 0.17 | 0.17 | 0.54 | 0.42 | 0.55 | 0.60 | 0.46 | 0.72 | 0.64 |
| 3400 | -0.02 | 0.15 | 0.13 | 0.48 | 0.30 | 0.42 | 0.42 | 0.26 | 0.49 | 0.66 |
| 3600 | -0.02 | 0.16 | 0.11 | 0.45 | 0.21 | 0.30 | 0.27 | 0.04 | -0.06 | 0.21 |
| 3800 | -0.02 | 0.19 | 0.12 | 0.44 | 0.14 | 0.21 | 0.14 | -0.12 | -0.28 | 0.12 |
| 4000 | -0.02 | 0.23 | 0.16 | 0.45 | 0.09 | 0.12 | 0.00 | -0.28 | -0.47 | 0.14 |
| 4200 | -0.02 | 0.27 | 0.18 | 0.45 | 0.03 | 0.04 | -0.14 | -0.36 | -0.53 | -0.53 |
| 4400 | -0.01 | 0.27 | 0.16 | 0.41 | -0.07 | -0.09 | -0.32 | -0.64 | -0.76 | -0.52 |
| 4600 | -0.01 | 0.24 | 0.10 | 0.34 | -0.21 | -0.27 | -0.54 | -1.05 | -0.87 | -1.42 |
| 4800 | -0.02 | 0.22 | 0.03 | 0.27 | -0.36 | -0.46 | -0.74 | -1.16 | -1.37 | -0.86 |
| 5000 | -0.02 | 0.20 | -0.03 | 0.19 | -0.51 | -0.66 | -1.00 | -1.49 | -1.76 | -1.90 |
| 5200 | -0.02 | 0.17 | -0.11 | 0.10 | -0.70 | -0.87 | -1.25 | -1.80 | -1.89 | -1.14 |
| 5400 | -0.02 | 0.14 | -0.19 | -0.03 | -0.90 | -1.13 | -1.52 | -2.00 | -2.13 | -2.18 |
| 5600 | -0.02 | 0.10 | -0.26 | -0.16 | -1.10 | -1.39 | -1.80 | -2.39 | -2.54 | -2.04 |
| 5800 | -0.02 | 0.06 | -0.35 | -0.30 | -1.31 | -1.64 | -2.07 | -2.64 | -3.00 | -2.56 |
| 6000 | -0.03 | -0.02 | -0.47 | -0.47 | -1.53 | -1.88 | -2.39 | -2.84 | -2.87 | -3.59 |
| 6200 | -0.05 | -0.11 | -0.59 | -0.63 | -1.72 | -2.12 | -2.62 | -3.14 | -3.31 | -2.46 |
| 6400 | -0.06 | -0.14 | -0.62 | -0.69 | -1.80 | -2.23 | -2.73 | -3.24 | -3.65 | -3.04 |
| 6600 | -0.06 | -0.05 | -0.53 | -0.62 | -1.74 | -2.19 | -2.64 | -3.24 | -3.85 | -3.56 |
| 6800 | -0.06 | 0.00 | -0.48 | -0.58 | -1.68 | -2.11 | -2.59 | -3.18 | -3.59 | -3.46 |
| 7000 | -0.05 | 0.02 | -0.46 | -0.58 | -1.64 | -2.07 | -2.56 | -3.08 | -3.44 | -3.77 |
| 7200 | -0.04 | -0.01 | -0.49 | -0.63 | -1.65 | -2.06 | -2.49 | -3.02 | -3.15 | -3.69 |
| 7400 | -0.04 | -0.04 | -0.55 | -0.69 | -1.66 | -2.07 | -2.43 | -2.94 | -3.29 | -2.67 |
| 7600 | -0.04 | -0.06 | -0.59 | -0.74 | -1.65 | -2.02 | -2.30 | -2.87 | -3.02 | -2.34 |
| 7700 | -0.04 | -0.06 | -0.61 | -0.76 | -1.64 | -1.97 | -2.22 | -2.70 | -2.93 | -2.04 |
| 7800 | -0.04 | -0.07 | -0.63 | -0.79 | -1.64 | -1.94 | -2.14 | -2.53 | -2.86 | -2.10 |
| 7900 | -0.05 | -0.09 | -0.67 | -0.82 | -1.64 | -1.91 | -2.03 | -2.45 | -2.84 | -2.34 |
| 8000 | -0.05 | -0.12 | -0.71 | -0.86 | -1.65 | -1.89 | -1.96 | -2.31 | -2.58 | -1.88 |

Programmable Attenuator

RC4DAT-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 | -12.14 | -21.69 | -24.85 | -32.94 | -38.72 | -33.39 | -26.03 | -25.95 | -26.19 | -25.23 |
| 50 | -12.21 | -21.83 | -25.08 | -34.50 | -46.67 | -35.79 | -26.59 | -26.50 | -26.76 | -25.69 |
| 100 | -12.36 | -21.90 | -25.08 | -34.34 | -47.34 | -36.12 | -26.74 | -26.64 | -26.90 | -25.84 |
| 200 | -12.94 | -22.30 | -25.33 | -34.59 | -46.08 | -36.05 | -26.80 | -26.71 | -26.99 | -25.91 |
| 300 | -13.78 | -22.86 | -25.67 | -35.05 | -44.57 | -35.80 | -26.79 | -26.70 | -26.96 | -25.90 |
| 400 | -14.91 | -23.56 | -26.03 | -35.52 | -43.51 | -35.57 | -26.76 | -26.67 | -26.92 | -25.88 |
| 600 | -18.24 | -25.51 | -27.09 | -37.50 | -41.16 | -34.58 | -26.43 | -26.34 | -26.56 | -25.58 |
| 800 | -23.56 | -27.65 | -28.11 | -39.73 | -40.33 | -33.99 | -26.18 | -26.09 | -26.23 | -25.34 |
| 1000 | -33.74 | -29.57 | -29.09 | -41.86 | -39.18 | -33.18 | -25.82 | -25.74 | -25.75 | -24.99 |
| 1200 | -33.78 | -30.50 | -29.58 | -40.48 | -37.83 | -32.39 | -25.48 | -25.40 | -25.25 | -24.66 |
| 1400 | -27.21 | -30.29 | -29.29 | -37.01 | -36.43 | -31.73 | -25.27 | -25.20 | -24.84 | -24.45 |
| 1600 | -25.03 | -29.54 | -28.33 | -34.05 | -34.92 | -31.17 | -25.21 | -25.13 | -24.54 | -24.37 |
| 1800 | -25.13 | -28.53 | -26.97 | -31.43 | -32.94 | -30.38 | -25.18 | -25.11 | -24.26 | -24.33 |
| 2000 | -27.45 | -27.44 | -25.52 | -29.44 | -31.24 | -29.70 | -25.32 | -25.25 | -24.13 | -24.46 |
| 2200 | -28.44 | -25.69 | -23.96 | -27.54 | -29.43 | -28.79 | -25.54 | -25.49 | -24.07 | -24.69 |
| 2400 | -23.15 | -23.58 | -22.54 | -26.01 | -27.97 | -27.99 | -25.99 | -25.97 | -24.23 | -25.16 |
| 2600 | -18.51 | -21.57 | -21.32 | -24.82 | -26.88 | -27.36 | -26.73 | -26.73 | -24.66 | -25.94 |
| 2800 | -15.69 | -19.93 | -20.31 | -23.84 | -25.96 | -26.72 | -27.65 | -27.70 | -25.30 | -26.94 |
| 3000 | -14.15 | -18.75 | -19.45 | -22.99 | -25.13 | -26.07 | -29.00 | -29.11 | -26.40 | -28.47 |
| 3200 | -13.69 | -18.13 | -18.87 | -22.36 | -24.41 | -25.46 | -30.55 | -30.71 | -27.97 | -30.43 |
| 3400 | -14.17 | -17.94 | -18.45 | -21.81 | -23.60 | -24.70 | -31.65 | -31.83 | -30.17 | -32.46 |
| 3600 | -15.49 | -18.10 | -18.16 | -21.28 | -22.67 | -23.78 | -30.86 | -30.98 | -32.51 | -32.49 |
| 3800 | -17.71 | -18.54 | -17.99 | -20.79 | -21.70 | -22.80 | -28.50 | -28.55 | -32.55 | -29.90 |
| 4000 | -20.22 | -18.96 | -17.82 | -20.21 | -20.66 | -21.72 | -25.80 | -25.82 | -29.27 | -26.73 |
| 4200 | -20.91 | -19.15 | -17.67 | -19.56 | -19.64 | -20.61 | -23.33 | -23.33 | -25.78 | -23.93 |
| 4400 | -19.04 | -18.90 | -17.50 | -18.84 | -18.66 | -19.51 | -21.22 | -21.21 | -22.94 | -21.61 |
| 4600 | -17.24 | -18.41 | -17.34 | -18.11 | -17.79 | -18.50 | -19.48 | -19.47 | -20.72 | -19.75 |
| 4800 | -16.48 | -17.90 | -17.16 | -17.39 | -17.02 | -17.60 | -18.07 | -18.05 | -19.00 | -18.27 |
| 5000 | -16.70 | -17.54 | -16.99 | -16.73 | -16.35 | -16.81 | -16.90 | -16.87 | -17.61 | -17.04 |
| 5200 | -17.49 | -17.37 | -16.87 | -16.15 | -15.78 | -16.15 | -15.90 | -15.86 | -16.44 | -15.99 |
| 5400 | -18.11 | -17.44 | -16.93 | -15.76 | -15.41 | -15.70 | -15.15 | -15.09 | -15.53 | -15.20 |
| 5600 | -17.87 | -17.46 | -16.94 | -15.32 | -14.99 | -15.21 | -14.37 | -14.30 | -14.59 | -14.39 |
| 5800 | -17.92 | -17.56 | -16.96 | -14.94 | -14.63 | -14.81 | -13.69 | -13.63 | -13.77 | -13.69 |
| 6000 | -19.25 | -17.55 | -16.81 | -14.52 | -14.22 | -14.38 | -13.03 | -12.97 | -12.99 | -13.02 |
| 6200 | -21.55 | -17.37 | -16.58 | -14.16 | -13.86 | -14.02 | -12.47 | -12.42 | -12.32 | -12.46 |
| 6400 | -19.87 | -16.64 | -16.12 | -13.70 | -13.40 | -13.55 | -11.87 | -11.83 | -11.63 | -11.86 |
| 6600 | -16.10 | -15.68 | -15.72 | -13.34 | -13.04 | -13.17 | -11.35 | -11.32 | -11.03 | -11.34 |
| 6800 | -14.85 | -15.07 | -15.41 | -13.12 | -12.81 | -12.92 | -11.03 | -11.01 | -10.67 | -11.03 |
| 7000 | -14.15 | -14.47 | -15.10 | -12.92 | -12.64 | -12.69 | -10.71 | -10.68 | -10.29 | -10.71 |
| 7200 | -14.02 | -13.96 | -14.76 | -12.78 | -12.55 | -12.53 | -10.45 | -10.43 | -10.00 | -10.45 |
| 7400 | -13.61 | -13.41 | -14.32 | -12.68 | -12.52 | -12.41 | -10.25 | -10.24 | -9.76 | -10.26 |
| 7600 | -12.65 | -12.75 | -13.76 | -12.60 | -12.54 | -12.34 | -10.12 | -10.11 | -9.59 | -10.12 |
| 7700 | -12.07 | -12.39 | -13.43 | -12.56 | -12.56 | -12.32 | -10.07 | -10.06 | -9.52 | -10.08 |
| 7800 | -11.53 | -12.02 | -13.09 | -12.51 | -12.58 | -12.30 | -10.04 | -10.03 | -9.47 | -10.04 |
| 7900 | -11.08 | -11.65 | -12.75 | -12.47 | -12.60 | -12.29 | -10.02 | -10.01 | -9.43 | -10.02 |
| 8000 | -10.72 | -11.30 | -12.41 | -12.43 | -12.61 | -12.28 | -10.02 | -10.00 | -9.41 | -10.02 |

Programmable Attenuator

RC4DAT-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 | -12.14 | -21.20 | -39.67 | -32.08 | -28.15 | -38.33 | -38.25 | -31.58 | -28.58 | -27.57 |
| 50 | -12.21 | -21.35 | -47.65 | -33.88 | -28.94 | -45.17 | -44.97 | -33.17 | -29.45 | -28.28 |
| 100 | -12.33 | -21.37 | -45.42 | -34.28 | -29.20 | -45.28 | -45.13 | -33.47 | -29.67 | -28.52 |
| 200 | -12.77 | -21.55 | -43.04 | -34.73 | -29.48 | -43.77 | -43.74 | -33.70 | -29.94 | -28.79 |
| 300 | -13.38 | -21.75 | -40.55 | -35.15 | -29.76 | -41.47 | -41.51 | -33.86 | -30.21 | -29.07 |
| 400 | -14.24 | -21.96 | -38.52 | -35.76 | -30.14 | -39.65 | -39.73 | -34.11 | -30.58 | -29.44 |
| 600 | -16.90 | -22.43 | -35.75 | -36.54 | -30.78 | -36.53 | -36.61 | -34.14 | -31.14 | -30.09 |
| 800 | -21.53 | -22.52 | -33.76 | -37.04 | -31.59 | -34.26 | -34.31 | -33.95 | -31.78 | -30.91 |
| 1000 | -27.95 | -21.96 | -32.20 | -36.71 | -32.38 | -32.56 | -32.59 | -33.44 | -32.29 | -31.73 |
| 1200 | -25.01 | -21.03 | -30.95 | -35.98 | -33.25 | -31.40 | -31.40 | -32.94 | -32.73 | -32.58 |
| 1400 | -21.41 | -20.25 | -30.00 | -35.27 | -34.24 | -30.71 | -30.69 | -32.63 | -33.19 | -33.54 |
| 1600 | -20.80 | -19.90 | -29.28 | -34.49 | -35.10 | -30.23 | -30.20 | -32.31 | -33.46 | -34.34 |
| 1800 | -22.77 | -19.94 | -28.64 | -33.64 | -35.51 | -29.81 | -29.77 | -31.88 | -33.38 | -34.77 |
| 2000 | -27.92 | -20.15 | -28.03 | -32.82 | -35.58 | -29.43 | -29.39 | -31.43 | -33.12 | -34.95 |
| 2200 | -28.39 | -20.23 | -27.34 | -31.93 | -35.18 | -29.02 | -28.99 | -30.90 | -32.65 | -34.79 |
| 2400 | -22.01 | -20.06 | -26.69 | -31.15 | -34.51 | -28.67 | -28.64 | -30.39 | -32.09 | -34.39 |
| 2600 | -18.28 | -19.66 | -26.03 | -30.32 | -33.50 | -28.25 | -28.23 | -29.78 | -31.33 | -33.64 |
| 2800 | -15.97 | -19.13 | -25.41 | -29.55 | -32.64 | -27.92 | -27.92 | -29.34 | -30.73 | -33.03 |
| 3000 | -14.52 | -18.65 | -24.92 | -28.88 | -31.80 | -27.66 | -27.66 | -28.96 | -30.15 | -32.35 |
| 3200 | -13.63 | -18.27 | -24.56 | -28.32 | -31.12 | -27.56 | -27.56 | -28.76 | -29.72 | -31.77 |
| 3400 | -13.46 | -18.10 | -24.36 | -27.89 | -30.62 | -27.67 | -27.68 | -28.80 | -29.49 | -31.33 |
| 3600 | -14.26 | -18.22 | -24.35 | -27.58 | -30.35 | -28.15 | -28.15 | -29.22 | -29.56 | -31.09 |
| 3800 | -16.45 | -18.64 | -24.59 | -27.48 | -30.41 | -29.21 | -29.20 | -30.24 | -30.11 | -31.20 |
| 4000 | -19.96 | -19.09 | -24.98 | -27.51 | -30.72 | -31.08 | -31.06 | -32.07 | -31.23 | -31.60 |
| 4200 | -21.83 | -19.22 | -25.28 | -27.48 | -30.89 | -33.90 | -33.83 | -34.87 | -32.84 | -31.90 |
| 4400 | -20.81 | -19.20 | -25.51 | -27.42 | -30.74 | -37.05 | -36.92 | -38.13 | -34.86 | -31.81 |
| 4600 | -21.29 | -19.49 | -25.85 | -27.38 | -30.04 | -34.97 | -34.94 | -36.02 | -35.42 | -30.92 |
| 4800 | -24.18 | -20.37 | -26.59 | -27.47 | -28.88 | -30.05 | -30.06 | -30.91 | -32.67 | -29.27 |
| 5000 | -25.03 | -21.57 | -27.58 | -27.40 | -27.44 | -26.48 | -26.49 | -27.26 | -29.25 | -27.37 |
| 5200 | -24.19 | -23.38 | -28.96 | -26.82 | -25.62 | -23.56 | -23.56 | -24.26 | -26.02 | -25.20 |
| 5400 | -26.74 | -26.88 | -30.31 | -25.77 | -23.82 | -21.26 | -21.25 | -21.88 | -23.38 | -23.21 |
| 5600 | -33.11 | -34.08 | -28.86 | -24.19 | -22.12 | -19.41 | -19.40 | -19.96 | -21.20 | -21.44 |
| 5800 | -34.87 | -31.88 | -25.40 | -22.51 | -20.71 | -18.05 | -18.03 | -18.52 | -19.55 | -20.04 |
| 6000 | -44.97 | -25.27 | -22.07 | -20.70 | -19.35 | -16.90 | -16.89 | -17.31 | -18.13 | -18.78 |
| 6200 | -25.01 | -20.78 | -19.30 | -18.97 | -18.07 | -15.93 | -15.92 | -16.25 | -16.88 | -17.63 |
| 6400 | -17.35 | -17.62 | -17.25 | -17.58 | -17.04 | -15.26 | -15.25 | -15.48 | -15.90 | -16.74 |
| 6600 | -13.42 | -15.18 | -15.53 | -16.32 | -16.06 | -14.72 | -14.72 | -14.82 | -15.00 | -15.90 |
| 6800 | -12.53 | -14.24 | -14.79 | -15.72 | -15.57 | -14.52 | -14.52 | -14.52 | -14.55 | -15.47 |
| 7000 | -12.26 | -13.44 | -14.10 | -15.15 | -15.06 | -14.40 | -14.41 | -14.27 | -14.10 | -15.03 |
| 7200 | -12.55 | -13.01 | -13.69 | -14.76 | -14.70 | -14.45 | -14.46 | -14.15 | -13.78 | -14.72 |
| 7400 | -12.59 | -12.78 | -13.51 | -14.56 | -14.50 | -14.69 | -14.71 | -14.19 | -13.61 | -14.55 |
| 7600 | -12.11 | -12.63 | -13.50 | -14.51 | -14.45 | -15.13 | -15.15 | -14.39 | -13.58 | -14.51 |
| 7700 | -11.82 | -12.58 | -13.53 | -14.53 | -14.47 | -15.42 | -15.43 | -14.54 | -13.62 | -14.54 |
| 7800 | -11.63 | -12.56 | -13.57 | -14.57 | -14.51 | -15.75 | -15.76 | -14.71 | -13.68 | -14.59 |
| 7900 | -11.64 | -12.56 | -13.63 | -14.62 | -14.58 | -16.13 | -16.14 | -14.92 | -13.77 | -14.66 |
| 8000 | -11.92 | -12.60 | -13.69 | -14.68 | -14.67 | -16.56 | -16.57 | -15.16 | -13.89 | -14.76 |

Programmable Attenuator

RC4DAT-8G-95PE

Typical Performance Data

Test Conditions: @ Temperature = +25°C.

| Freq. (MHz) | I. Loss (dB) |
|----------------|-----------------|
| 1 | -2.73 |
| 50 | -2.79 |
| 100 | -2.86 |
| 200 | -2.99 |
| 300 | -3.14 |
| 400 | -3.30 |
| 600 | -3.60 |
| 800 | -3.86 |
| 1000 | -4.03 |
| 1200 | -4.16 |
| 1400 | -4.29 |
| 1600 | -4.44 |
| 1800 | -4.60 |
| 2000 | -4.76 |
| 2200 | -4.90 |
| 2400 | -5.01 |
| 2600 | -5.13 |
| 2800 | -5.26 |
| 3000 | -5.40 |
| 3200 | -5.56 |
| 3400 | -5.75 |
| 3600 | -5.98 |
| 3800 | -6.26 |
| 4000 | -6.57 |
| 4200 | -6.89 |
| 4400 | -7.19 |
| 4600 | -7.46 |
| 4800 | -7.69 |
| 5000 | -7.88 |
| 5200 | -7.99 |
| 5400 | -8.01 |
| 5600 | -8.01 |
| 5800 | -8.01 |
| 6000 | -8.00 |
| 6200 | -8.03 |
| 6400 | -8.19 |
| 6600 | -8.55 |
| 6800 | -8.80 |
| 7000 | -9.07 |
| 7200 | -9.31 |
| 7400 | -9.54 |
| 7600 | -9.82 |
| 7700 | -9.96 |
| 7800 | -10.11 |
| 7900 | -10.25 |
| 8000 | -10.39 |

| Freq. (MHz) | IP3 (dBm) |
|----------------|--------------|
| 1 | 44.79 |
| 5 | 49.71 |
| 10 | 50.03 |
| 50 | 57.56 |
| 100 | 52.82 |
| 200 | 53.65 |
| 300 | 53.47 |
| 400 | 55.19 |
| 500 | 55.72 |
| 600 | 53.83 |
| 700 | 55.00 |
| 800 | 54.94 |
| 900 | 52.22 |
| 1000 | 54.25 |
| 1500 | 52.74 |
| 2000 | 53.33 |
| 2500 | 55.12 |
| 3000 | 55.11 |
| 3500 | 53.93 |
| 4000 | 52.06 |
| 4500 | 52.08 |
| 5000 | 51.58 |
| 5500 | 48.17 |
| 6000 | 48.12 |
| 6500 | 50.26 |
| 7000 | 48.60 |
| 7500 | 51.30 |
| 8000 | 47.20 |

Programmable Attenuator

RC4DAT-8G-95PE

Typical Performance Data

Test Conditions: @ Temperature = +25°C.

| Freq. (MHz) | Cross-Over Isolation (dB) | | | | | | | | | |
|----------------|------------------------------|-----------|-----------|-------------|-------------|-------------|------------|------------|------------|------------|
| | In1 - In2 | In2 - In3 | In3 - In4 | Out1 - Out2 | Out2 - Out3 | Out3 - Out4 | In1 - Out2 | In2 - Out3 | In3 - Out2 | In4 - Out3 |
| 1 | -112.00 | -111.66 | -113.28 | -111.15 | -114.58 | -112.05 | -113.92 | -112.07 | -114.69 | -112.98 |
| 50 | -130.57 | -131.73 | -129.89 | -128.73 | -130.05 | -130.98 | -127.47 | -128.30 | -128.51 | -133.00 |
| 100 | -128.35 | -129.34 | -129.77 | -132.75 | -131.93 | -131.33 | -128.49 | -131.26 | -129.69 | -132.36 |
| 200 | -131.55 | -128.40 | -131.61 | -128.79 | -132.79 | -131.55 | -129.59 | -131.83 | -129.66 | -132.06 |
| 300 | -128.24 | -128.27 | -132.42 | -130.78 | -130.51 | -131.36 | -132.36 | -131.08 | -133.94 | -131.77 |
| 400 | -127.88 | -129.09 | -131.94 | -130.36 | -130.01 | -128.46 | -130.29 | -129.01 | -133.40 | -128.65 |
| 600 | -128.06 | -131.78 | -131.39 | -127.39 | -130.48 | -130.33 | -131.48 | -131.04 | -129.22 | -130.07 |
| 800 | -126.98 | -130.54 | -129.17 | -127.71 | -129.66 | -128.19 | -128.06 | -129.14 | -131.89 | -129.40 |
| 1000 | -127.40 | -128.91 | -129.56 | -129.46 | -128.39 | -129.44 | -128.33 | -129.39 | -129.48 | -129.16 |
| 1200 | -129.64 | -130.48 | -130.25 | -129.00 | -129.45 | -129.50 | -130.32 | -130.26 | -128.53 | -131.05 |
| 1400 | -128.13 | -127.71 | -128.58 | -128.74 | -130.06 | -128.60 | -128.10 | -128.42 | -128.92 | -130.48 |
| 1600 | -129.76 | -128.64 | -126.14 | -131.05 | -130.76 | -129.77 | -128.95 | -128.47 | -130.54 | -129.25 |
| 1800 | -126.80 | -127.16 | -128.76 | -129.42 | -129.58 | -128.23 | -131.57 | -130.33 | -125.97 | -127.13 |
| 2000 | -126.40 | -128.84 | -129.69 | -129.58 | -129.60 | -127.72 | -128.46 | -127.51 | -130.44 | -127.91 |
| 2200 | -126.82 | -130.49 | -127.62 | -126.78 | -130.80 | -129.01 | -130.62 | -130.94 | -128.96 | -127.96 |
| 2400 | -129.23 | -127.52 | -128.67 | -130.34 | -129.39 | -127.79 | -128.65 | -125.99 | -128.70 | -127.77 |
| 2600 | -127.70 | -128.18 | -127.62 | -127.05 | -133.23 | -126.76 | -130.43 | -130.04 | -132.70 | -131.69 |
| 2800 | -126.38 | -131.67 | -130.04 | -127.21 | -127.86 | -127.69 | -128.63 | -129.19 | -128.25 | -128.21 |
| 3000 | -127.92 | -131.68 | -128.30 | -128.27 | -127.81 | -127.27 | -129.60 | -128.61 | -129.02 | -127.74 |
| 3200 | -127.93 | -129.02 | -130.65 | -126.60 | -128.59 | -128.54 | -126.39 | -131.22 | -129.22 | -128.35 |
| 3400 | -128.58 | -127.37 | -130.60 | -129.62 | -129.40 | -128.59 | -126.62 | -128.21 | -129.16 | -127.31 |
| 3600 | -124.31 | -127.01 | -126.95 | -127.53 | -128.53 | -128.29 | -128.66 | -127.56 | -126.50 | -129.39 |
| 3800 | -125.64 | -130.85 | -127.82 | -129.51 | -127.27 | -127.40 | -130.99 | -127.88 | -128.76 | -127.68 |
| 4000 | -127.87 | -128.51 | -127.51 | -128.31 | -131.29 | -129.77 | -127.87 | -127.50 | -127.23 | -129.16 |
| 4200 | -127.56 | -129.64 | -128.86 | -129.64 | -128.61 | -128.00 | -129.50 | -127.77 | -129.35 | -126.76 |
| 4400 | -126.00 | -128.95 | -127.88 | -129.00 | -126.85 | -126.48 | -128.32 | -129.40 | -129.15 | -127.35 |
| 4600 | -127.27 | -130.09 | -124.60 | -129.32 | -130.21 | -125.41 | -131.00 | -125.82 | -129.42 | -129.11 |
| 4800 | -124.89 | -130.00 | -124.34 | -127.14 | -128.04 | -126.55 | -130.02 | -124.83 | -126.21 | -124.38 |
| 5000 | -124.67 | -124.86 | -127.13 | -126.95 | -128.39 | -128.61 | -126.43 | -126.82 | -122.67 | -128.00 |
| 5200 | -128.17 | -127.98 | -125.84 | -127.01 | -126.65 | -127.76 | -129.17 | -129.22 | -128.04 | -128.63 |
| 5400 | -125.32 | -126.17 | -128.79 | -130.95 | -129.87 | -128.16 | -129.50 | -130.60 | -128.08 | -128.64 |
| 5600 | -128.55 | -127.23 | -128.80 | -128.72 | -127.06 | -128.67 | -127.30 | -127.52 | -126.74 | -127.18 |
| 5800 | -126.51 | -126.26 | -127.25 | -121.01 | -130.90 | -130.65 | -126.24 | -127.95 | -129.60 | -128.29 |
| 6000 | -125.82 | -127.56 | -126.96 | -126.04 | -128.02 | -129.96 | -126.49 | -129.85 | -124.62 | -128.71 |
| 6200 | -126.19 | -129.81 | -127.16 | -128.30 | -128.52 | -127.52 | -130.22 | -131.21 | -127.42 | -125.81 |
| 6400 | -128.39 | -126.17 | -125.84 | -126.15 | -126.76 | -128.07 | -129.36 | -128.32 | -125.97 | -128.87 |
| 6600 | -129.48 | -125.70 | -127.11 | -126.62 | -128.24 | -128.33 | -127.15 | -128.18 | -124.74 | -129.62 |
| 6800 | -123.13 | -127.93 | -125.06 | -119.92 | -125.28 | -125.79 | -126.83 | -129.04 | -127.60 | -123.89 |
| 7000 | -124.19 | -125.04 | -126.02 | -125.49 | -124.16 | -123.44 | -127.36 | -127.41 | -121.01 | -124.92 |
| 7200 | -120.82 | -120.38 | -120.74 | -123.43 | -113.67 | -117.69 | -121.64 | -118.55 | -118.80 | -124.90 |
| 7400 | -120.72 | -120.93 | -121.75 | -127.27 | -116.96 | -122.16 | -127.03 | -129.66 | -121.47 | -122.33 |
| 7600 | -121.05 | -120.86 | -120.48 | -126.83 | -121.33 | -125.93 | -126.38 | -126.63 | -122.93 | -127.07 |
| 7700 | -119.81 | -121.01 | -117.84 | -125.04 | -122.55 | -123.63 | -124.90 | -125.44 | -123.32 | -121.84 |
| 7800 | -117.95 | -121.82 | -117.22 | -124.89 | -123.91 | -121.07 | -125.04 | -127.14 | -119.94 | -119.50 |
| 7900 | -119.12 | -119.78 | -118.26 | -123.19 | -124.16 | -122.76 | -124.47 | -130.82 | -119.84 | -119.26 |
| 8000 | -118.93 | -119.86 | -117.92 | -123.79 | -123.52 | -124.49 | -124.84 | -127.81 | -118.38 | -118.67 |

Programmable Attenuator

RC4DAT-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 | -9.98 | -19.86 | -29.43 | -49.13 | -58.83 | -68.46 | -78.14 | -88.55 | -93.21 |
| 50 | -0.29 | -9.98 | -19.85 | -29.43 | -49.12 | -58.83 | -68.49 | -78.34 | -87.89 | -92.71 |
| 100 | -0.29 | -9.97 | -19.85 | -29.42 | -49.12 | -58.83 | -68.49 | -78.34 | -87.88 | -92.55 |
| 200 | -0.28 | -9.92 | -19.79 | -29.36 | -49.05 | -58.77 | -68.42 | -78.25 | -87.78 | -92.49 |
| 300 | -0.28 | -9.84 | -19.70 | -29.27 | -48.96 | -58.67 | -68.32 | -78.16 | -87.82 | -92.50 |
| 400 | -0.27 | -9.77 | -19.61 | -29.17 | -48.86 | -58.57 | -68.23 | -78.05 | -87.56 | -92.32 |
| 600 | -0.26 | -9.62 | -19.44 | -28.99 | -48.69 | -58.39 | -68.06 | -77.87 | -87.34 | -91.94 |
| 800 | -0.25 | -9.53 | -19.33 | -28.88 | -48.59 | -58.29 | -67.95 | -77.79 | -87.19 | -92.06 |
| 1000 | -0.25 | -9.51 | -19.30 | -28.84 | -48.56 | -58.26 | -67.95 | -77.75 | -87.43 | -92.11 |
| 1200 | -0.25 | -9.53 | -19.32 | -28.85 | -48.59 | -58.29 | -68.00 | -77.83 | -87.43 | -92.01 |
| 1400 | -0.25 | -9.55 | -19.34 | -28.87 | -48.63 | -58.34 | -68.05 | -77.86 | -87.47 | -92.10 |
| 1600 | -0.25 | -9.55 | -19.35 | -28.88 | -48.67 | -58.38 | -68.11 | -77.96 | -87.65 | -92.21 |
| 1800 | -0.25 | -9.54 | -19.35 | -28.88 | -48.69 | -58.42 | -68.17 | -78.09 | -87.66 | -92.38 |
| 2000 | -0.24 | -9.53 | -19.34 | -28.88 | -48.73 | -58.47 | -68.24 | -78.17 | -87.81 | -92.27 |
| 2200 | -0.24 | -9.54 | -19.37 | -28.92 | -48.80 | -58.56 | -68.37 | -78.29 | -88.02 | -92.64 |
| 2400 | -0.25 | -9.59 | -19.44 | -29.00 | -48.91 | -58.69 | -68.54 | -78.45 | -88.28 | -93.07 |
| 2600 | -0.25 | -9.65 | -19.53 | -29.10 | -49.06 | -58.87 | -68.73 | -78.75 | -88.46 | -93.11 |
| 2800 | -0.25 | -9.73 | -19.63 | -29.21 | -49.21 | -59.04 | -68.93 | -78.98 | -88.77 | -93.36 |
| 3000 | -0.26 | -9.77 | -19.71 | -29.30 | -49.34 | -59.20 | -69.13 | -79.21 | -89.07 | -93.84 |
| 3200 | -0.26 | -9.79 | -19.75 | -29.34 | -49.45 | -59.33 | -69.31 | -79.35 | -89.03 | -93.80 |
| 3400 | -0.27 | -9.78 | -19.76 | -29.36 | -49.52 | -59.42 | -69.44 | -79.57 | -89.43 | -94.17 |
| 3600 | -0.27 | -9.76 | -19.75 | -29.37 | -49.59 | -59.52 | -69.57 | -79.71 | -89.51 | -94.06 |
| 3800 | -0.27 | -9.74 | -19.76 | -29.39 | -49.66 | -59.61 | -69.71 | -79.95 | -89.87 | -94.65 |
| 4000 | -0.26 | -9.73 | -19.76 | -29.41 | -49.74 | -59.72 | -69.86 | -80.14 | -90.29 | -94.66 |
| 4200 | -0.27 | -9.72 | -19.78 | -29.44 | -49.84 | -59.83 | -70.00 | -80.35 | -90.29 | -95.43 |
| 4400 | -0.26 | -9.72 | -19.80 | -29.48 | -49.95 | -59.98 | -70.20 | -80.60 | -90.58 | -95.39 |
| 4600 | -0.26 | -9.72 | -19.83 | -29.53 | -50.07 | -60.13 | -70.41 | -80.76 | -90.97 | -95.82 |
| 4800 | -0.26 | -9.73 | -19.87 | -29.59 | -50.21 | -60.33 | -70.65 | -81.00 | -91.19 | -96.17 |
| 5000 | -0.26 | -9.74 | -19.92 | -29.68 | -50.37 | -60.51 | -70.92 | -81.42 | -91.35 | -96.49 |
| 5200 | -0.26 | -9.75 | -19.98 | -29.77 | -50.54 | -60.74 | -71.16 | -81.64 | -91.97 | -96.59 |
| 5400 | -0.26 | -9.77 | -20.03 | -29.86 | -50.71 | -60.97 | -71.44 | -81.86 | -91.93 | -97.78 |
| 5600 | -0.26 | -9.80 | -20.10 | -29.98 | -50.90 | -61.21 | -71.71 | -82.29 | -92.43 | -97.96 |
| 5800 | -0.27 | -9.86 | -20.20 | -30.12 | -51.12 | -61.46 | -72.01 | -82.61 | -92.52 | -97.80 |
| 6000 | -0.28 | -9.95 | -20.33 | -30.28 | -51.34 | -61.74 | -72.26 | -82.80 | -93.22 | -98.26 |
| 6200 | -0.30 | -10.02 | -20.43 | -30.41 | -51.51 | -61.95 | -72.53 | -83.10 | -93.12 | -97.57 |
| 6400 | -0.31 | -10.02 | -20.45 | -30.44 | -51.58 | -62.06 | -72.60 | -83.18 | -93.46 | -97.84 |
| 6600 | -0.31 | -9.95 | -20.37 | -30.39 | -51.54 | -62.03 | -72.58 | -83.19 | -93.12 | -98.25 |
| 6800 | -0.30 | -9.91 | -20.34 | -30.37 | -51.51 | -62.01 | -72.56 | -83.04 | -93.41 | -98.40 |
| 7000 | -0.30 | -9.91 | -20.34 | -30.39 | -51.51 | -62.04 | -72.54 | -83.10 | -93.26 | -98.89 |
| 7200 | -0.29 | -9.94 | -20.39 | -30.45 | -51.54 | -62.06 | -72.56 | -83.10 | -93.07 | -98.91 |
| 7400 | -0.29 | -9.98 | -20.45 | -30.53 | -51.58 | -62.08 | -72.56 | -82.99 | -93.08 | -98.13 |
| 7600 | -0.29 | -10.00 | -20.50 | -30.60 | -51.58 | -62.05 | -72.47 | -82.83 | -92.96 | -97.47 |
| 7700 | -0.29 | -10.01 | -20.52 | -30.62 | -51.58 | -62.03 | -72.38 | -82.72 | -93.15 | -97.59 |
| 7800 | -0.29 | -10.02 | -20.54 | -30.65 | -51.58 | -61.99 | -72.32 | -82.69 | -93.04 | -97.59 |
| 7900 | -0.30 | -10.04 | -20.57 | -30.69 | -51.58 | -61.96 | -72.20 | -82.57 | -92.96 | -97.36 |
| 8000 | -0.30 | -10.07 | -20.62 | -30.74 | -51.59 | -61.94 | -72.11 | -82.47 | -93.05 | -97.10 |

Programmable Attenuator

RC4DAT-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 | 0.02 | 0.14 | 0.57 | 0.87 | 1.17 | 1.54 | 1.86 | 1.45 | 1.79 |
| 50 | -0.04 | 0.02 | 0.15 | 0.57 | 0.88 | 1.17 | 1.51 | 1.66 | 2.11 | 2.29 |
| 100 | -0.04 | 0.03 | 0.15 | 0.58 | 0.88 | 1.17 | 1.51 | 1.66 | 2.12 | 2.45 |
| 200 | -0.03 | 0.08 | 0.21 | 0.64 | 0.95 | 1.23 | 1.58 | 1.75 | 2.22 | 2.51 |
| 300 | -0.03 | 0.16 | 0.30 | 0.73 | 1.04 | 1.33 | 1.68 | 1.84 | 2.18 | 2.50 |
| 400 | -0.02 | 0.23 | 0.39 | 0.83 | 1.14 | 1.43 | 1.77 | 1.95 | 2.44 | 2.68 |
| 600 | -0.01 | 0.38 | 0.56 | 1.01 | 1.31 | 1.61 | 1.94 | 2.13 | 2.66 | 3.06 |
| 800 | 0.00 | 0.47 | 0.67 | 1.12 | 1.41 | 1.71 | 2.05 | 2.21 | 2.81 | 2.94 |
| 1000 | 0.00 | 0.49 | 0.70 | 1.16 | 1.44 | 1.74 | 2.05 | 2.25 | 2.57 | 2.89 |
| 1200 | 0.00 | 0.47 | 0.68 | 1.15 | 1.41 | 1.71 | 2.00 | 2.17 | 2.57 | 2.99 |
| 1400 | 0.00 | 0.45 | 0.66 | 1.13 | 1.37 | 1.66 | 1.95 | 2.14 | 2.53 | 2.90 |
| 1600 | 0.00 | 0.45 | 0.65 | 1.12 | 1.33 | 1.62 | 1.89 | 2.04 | 2.35 | 2.79 |
| 1800 | 0.00 | 0.46 | 0.65 | 1.12 | 1.31 | 1.58 | 1.83 | 1.91 | 2.34 | 2.62 |
| 2000 | 0.01 | 0.47 | 0.66 | 1.12 | 1.27 | 1.53 | 1.76 | 1.83 | 2.19 | 2.73 |
| 2200 | 0.01 | 0.46 | 0.63 | 1.08 | 1.20 | 1.44 | 1.63 | 1.71 | 1.98 | 2.36 |
| 2400 | 0.00 | 0.41 | 0.56 | 1.00 | 1.09 | 1.31 | 1.46 | 1.55 | 1.72 | 1.93 |
| 2600 | 0.00 | 0.35 | 0.47 | 0.90 | 0.94 | 1.13 | 1.27 | 1.25 | 1.54 | 1.89 |
| 2800 | 0.00 | 0.27 | 0.37 | 0.79 | 0.79 | 0.96 | 1.07 | 1.02 | 1.23 | 1.64 |
| 3000 | -0.01 | 0.23 | 0.29 | 0.70 | 0.66 | 0.80 | 0.87 | 0.79 | 0.93 | 1.16 |
| 3200 | -0.01 | 0.21 | 0.25 | 0.66 | 0.55 | 0.67 | 0.69 | 0.65 | 0.97 | 1.20 |
| 3400 | -0.02 | 0.22 | 0.24 | 0.64 | 0.48 | 0.58 | 0.56 | 0.43 | 0.57 | 0.83 |
| 3600 | -0.02 | 0.24 | 0.25 | 0.63 | 0.41 | 0.48 | 0.43 | 0.29 | 0.49 | 0.94 |
| 3800 | -0.02 | 0.26 | 0.24 | 0.61 | 0.34 | 0.39 | 0.29 | 0.05 | 0.13 | 0.35 |
| 4000 | -0.01 | 0.27 | 0.24 | 0.59 | 0.26 | 0.28 | 0.14 | -0.14 | -0.29 | 0.34 |
| 4200 | -0.02 | 0.28 | 0.22 | 0.56 | 0.16 | 0.17 | 0.00 | -0.35 | -0.29 | -0.43 |
| 4400 | -0.01 | 0.28 | 0.20 | 0.52 | 0.05 | 0.02 | -0.20 | -0.60 | -0.58 | -0.39 |
| 4600 | -0.01 | 0.28 | 0.17 | 0.47 | -0.07 | -0.13 | -0.41 | -0.76 | -0.97 | -0.82 |
| 4800 | -0.01 | 0.27 | 0.13 | 0.41 | -0.21 | -0.33 | -0.65 | -1.00 | -1.19 | -1.17 |
| 5000 | -0.01 | 0.26 | 0.08 | 0.32 | -0.37 | -0.51 | -0.92 | -1.42 | -1.35 | -1.49 |
| 5200 | -0.01 | 0.25 | 0.02 | 0.23 | -0.54 | -0.74 | -1.16 | -1.64 | -1.97 | -1.59 |
| 5400 | -0.01 | 0.23 | -0.03 | 0.14 | -0.71 | -0.97 | -1.44 | -1.86 | -1.93 | -2.78 |
| 5600 | -0.01 | 0.20 | -0.10 | 0.02 | -0.90 | -1.21 | -1.71 | -2.29 | -2.43 | -2.96 |
| 5800 | -0.02 | 0.14 | -0.20 | -0.12 | -1.12 | -1.46 | -2.01 | -2.61 | -2.52 | -2.80 |
| 6000 | -0.03 | 0.05 | -0.33 | -0.28 | -1.34 | -1.74 | -2.26 | -2.80 | -3.22 | -3.26 |
| 6200 | -0.05 | -0.02 | -0.43 | -0.41 | -1.51 | -1.95 | -2.53 | -3.10 | -3.12 | -2.57 |
| 6400 | -0.06 | -0.02 | -0.45 | -0.44 | -1.58 | -2.06 | -2.60 | -3.18 | -3.46 | -2.84 |
| 6600 | -0.06 | 0.05 | -0.37 | -0.39 | -1.54 | -2.03 | -2.58 | -3.19 | -3.12 | -3.25 |
| 6800 | -0.05 | 0.09 | -0.34 | -0.37 | -1.51 | -2.01 | -2.56 | -3.04 | -3.41 | -3.40 |
| 7000 | -0.05 | 0.09 | -0.34 | -0.39 | -1.51 | -2.04 | -2.54 | -3.10 | -3.26 | -3.89 |
| 7200 | -0.04 | 0.06 | -0.39 | -0.45 | -1.54 | -2.06 | -2.56 | -3.10 | -3.07 | -3.91 |
| 7400 | -0.04 | 0.02 | -0.45 | -0.53 | -1.58 | -2.08 | -2.56 | -2.99 | -3.08 | -3.13 |
| 7600 | -0.04 | 0.00 | -0.50 | -0.60 | -1.58 | -2.05 | -2.47 | -2.83 | -2.96 | -2.47 |
| 7700 | -0.04 | -0.01 | -0.52 | -0.62 | -1.58 | -2.03 | -2.38 | -2.72 | -3.15 | -2.59 |
| 7800 | -0.04 | -0.02 | -0.54 | -0.65 | -1.58 | -1.99 | -2.32 | -2.69 | -3.04 | -2.59 |
| 7900 | -0.05 | -0.04 | -0.57 | -0.69 | -1.58 | -1.96 | -2.20 | -2.57 | -2.96 | -2.36 |
| 8000 | -0.05 | -0.07 | -0.62 | -0.74 | -1.59 | -1.94 | -2.11 | -2.47 | -3.05 | -2.10 |

Programmable Attenuator

RC4DAT-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 | -11.81 | -20.10 | -22.51 | -28.18 | -35.18 | -42.53 | -29.43 | -29.29 | -29.73 | -28.24 |
| 50 | -11.87 | -20.28 | -22.74 | -28.87 | -38.44 | -65.94 | -30.29 | -30.17 | -30.70 | -28.94 |
| 100 | -12.05 | -20.46 | -22.92 | -29.13 | -39.09 | -61.24 | -30.13 | -29.97 | -30.47 | -28.76 |
| 200 | -12.59 | -20.84 | -23.22 | -29.46 | -39.74 | -52.24 | -30.01 | -29.85 | -30.29 | -28.66 |
| 300 | -13.34 | -21.12 | -23.30 | -29.28 | -38.69 | -46.81 | -30.26 | -30.10 | -30.48 | -28.88 |
| 400 | -14.27 | -21.40 | -23.27 | -28.83 | -37.05 | -44.34 | -30.89 | -30.74 | -31.04 | -29.44 |
| 600 | -17.29 | -22.54 | -23.58 | -28.59 | -35.76 | -41.96 | -31.64 | -31.50 | -31.58 | -30.08 |
| 800 | -22.20 | -24.01 | -23.99 | -28.50 | -34.85 | -39.95 | -32.23 | -32.10 | -31.83 | -30.57 |
| 1000 | -29.59 | -25.51 | -24.31 | -28.42 | -34.03 | -38.41 | -32.86 | -32.72 | -31.99 | -31.06 |
| 1200 | -27.90 | -26.86 | -24.60 | -28.56 | -33.71 | -37.82 | -33.27 | -33.12 | -31.94 | -31.35 |
| 1400 | -24.05 | -27.72 | -24.70 | -28.70 | -33.48 | -37.43 | -33.55 | -33.37 | -31.75 | -31.52 |
| 1600 | -23.31 | -28.20 | -24.69 | -28.88 | -33.44 | -37.44 | -33.62 | -33.40 | -31.42 | -31.51 |
| 1800 | -25.01 | -28.29 | -24.63 | -29.10 | -33.60 | -37.55 | -33.19 | -32.96 | -30.73 | -31.11 |
| 2000 | -28.50 | -27.65 | -24.41 | -29.11 | -33.55 | -37.07 | -32.59 | -32.37 | -29.90 | -30.61 |
| 2200 | -27.65 | -26.35 | -24.05 | -28.93 | -33.29 | -36.13 | -31.88 | -31.69 | -29.02 | -30.04 |
| 2400 | -22.58 | -24.76 | -23.56 | -28.50 | -32.65 | -34.68 | -31.06 | -30.92 | -28.10 | -29.40 |
| 2600 | -18.94 | -23.22 | -23.00 | -27.96 | -31.95 | -33.47 | -30.47 | -30.37 | -27.40 | -28.96 |
| 2800 | -16.69 | -21.95 | -22.45 | -27.37 | -31.22 | -32.36 | -29.96 | -29.92 | -26.81 | -28.59 |
| 3000 | -15.41 | -20.97 | -21.88 | -26.66 | -30.32 | -31.23 | -29.64 | -29.65 | -26.37 | -28.39 |
| 3200 | -14.94 | -20.34 | -21.41 | -26.04 | -29.57 | -30.37 | -29.66 | -29.70 | -26.17 | -28.46 |
| 3400 | -15.21 | -20.07 | -21.06 | -25.56 | -28.95 | -29.73 | -30.05 | -30.12 | -26.26 | -28.87 |
| 3600 | -16.15 | -20.16 | -20.82 | -25.25 | -28.41 | -29.26 | -30.88 | -30.98 | -26.63 | -29.65 |
| 3800 | -17.81 | -20.57 | -20.70 | -25.11 | -27.92 | -28.95 | -32.39 | -32.50 | -27.37 | -30.98 |
| 4000 | -20.27 | -21.14 | -20.57 | -24.99 | -27.22 | -28.56 | -35.35 | -35.51 | -28.77 | -33.48 |
| 4200 | -23.13 | -21.63 | -20.36 | -24.75 | -26.24 | -27.86 | -41.66 | -42.29 | -31.14 | -38.64 |
| 4400 | -23.53 | -21.87 | -20.25 | -24.61 | -25.36 | -27.24 | -47.89 | -49.35 | -34.76 | -51.75 |
| 4600 | -20.91 | -21.65 | -20.21 | -24.37 | -24.44 | -26.40 | -35.69 | -35.75 | -38.43 | -38.15 |
| 4800 | -19.14 | -21.28 | -20.30 | -24.05 | -23.62 | -25.50 | -30.32 | -30.30 | -34.06 | -31.34 |
| 5000 | -18.89 | -21.06 | -20.51 | -23.40 | -22.67 | -24.27 | -26.43 | -26.40 | -28.82 | -27.03 |
| 5200 | -20.25 | -21.33 | -20.99 | -22.63 | -21.78 | -23.03 | -23.52 | -23.48 | -24.94 | -23.89 |
| 5400 | -22.28 | -21.92 | -21.63 | -21.76 | -20.92 | -21.83 | -21.31 | -21.26 | -22.13 | -21.54 |
| 5600 | -22.55 | -22.46 | -22.13 | -20.65 | -19.92 | -20.55 | -19.38 | -19.33 | -19.82 | -19.53 |
| 5800 | -21.94 | -22.80 | -22.23 | -19.50 | -18.88 | -19.31 | -17.77 | -17.71 | -17.93 | -17.86 |
| 6000 | -23.33 | -22.65 | -21.58 | -18.27 | -17.75 | -18.09 | -16.37 | -16.32 | -16.36 | -16.43 |
| 6200 | -28.95 | -21.84 | -20.48 | -17.10 | -16.66 | -16.95 | -15.12 | -15.07 | -14.96 | -15.15 |
| 6400 | -25.50 | -20.32 | -19.30 | -16.10 | -15.71 | -15.98 | -14.06 | -14.02 | -13.79 | -14.08 |
| 6600 | -18.39 | -18.09 | -17.83 | -15.00 | -14.67 | -14.90 | -12.94 | -12.90 | -12.57 | -12.95 |
| 6800 | -16.56 | -16.93 | -17.00 | -14.39 | -14.09 | -14.29 | -12.32 | -12.29 | -11.91 | -12.33 |
| 7000 | -15.36 | -15.81 | -16.16 | -13.80 | -13.55 | -13.69 | -11.67 | -11.64 | -11.20 | -11.67 |
| 7200 | -14.85 | -14.87 | -15.35 | -13.27 | -13.09 | -13.14 | -11.10 | -11.07 | -10.59 | -11.10 |
| 7400 | -14.12 | -13.97 | -14.52 | -12.81 | -12.73 | -12.69 | -10.62 | -10.60 | -10.07 | -10.62 |
| 7600 | -12.91 | -13.05 | -13.68 | -12.44 | -12.46 | -12.33 | -10.25 | -10.23 | -9.66 | -10.24 |
| 7700 | -12.24 | -12.58 | -13.25 | -12.27 | -12.36 | -12.18 | -10.10 | -10.08 | -9.50 | -10.09 |
| 7800 | -11.61 | -12.12 | -12.82 | -12.12 | -12.27 | -12.05 | -9.98 | -9.96 | -9.36 | -9.97 |
| 7900 | -11.08 | -11.67 | -12.41 | -11.98 | -12.19 | -11.94 | -9.88 | -9.86 | -9.24 | -9.87 |
| 8000 | -10.65 | -11.24 | -12.01 | -11.85 | -12.12 | -11.85 | -9.80 | -9.78 | -9.15 | -9.79 |

Programmable Attenuator

RC4DAT-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 | -11.78 | -19.55 | -31.57 | -40.75 | -32.89 | -34.56 | -34.63 | -39.64 | -33.71 | -31.97 |
| 50 | -11.91 | -19.82 | -33.62 | -48.41 | -34.27 | -38.41 | -38.54 | -45.99 | -35.47 | -33.13 |
| 100 | -12.05 | -19.91 | -33.59 | -48.52 | -34.41 | -38.30 | -38.43 | -45.47 | -35.46 | -33.17 |
| 200 | -12.51 | -20.18 | -33.40 | -43.46 | -34.10 | -37.50 | -37.62 | -41.55 | -35.03 | -32.99 |
| 300 | -13.08 | -20.20 | -31.85 | -40.78 | -34.95 | -34.80 | -34.89 | -39.38 | -35.77 | -33.94 |
| 400 | -13.98 | -20.37 | -31.00 | -39.79 | -35.92 | -33.39 | -33.46 | -38.54 | -36.66 | -34.98 |
| 600 | -16.54 | -20.87 | -29.86 | -36.59 | -35.91 | -31.33 | -31.38 | -35.39 | -36.05 | -35.41 |
| 800 | -20.77 | -21.09 | -28.88 | -34.46 | -36.29 | -29.62 | -29.65 | -33.29 | -35.57 | -36.29 |
| 1000 | -25.83 | -20.93 | -28.34 | -33.12 | -36.17 | -28.56 | -28.57 | -31.91 | -34.73 | -36.45 |
| 1200 | -24.58 | -20.46 | -28.04 | -32.32 | -36.22 | -27.94 | -27.93 | -31.12 | -34.17 | -36.57 |
| 1400 | -21.52 | -20.02 | -27.82 | -31.75 | -36.10 | -27.57 | -27.56 | -30.61 | -33.67 | -36.44 |
| 1600 | -20.76 | -19.86 | -27.72 | -31.49 | -36.19 | -27.51 | -27.49 | -30.46 | -33.49 | -36.50 |
| 1800 | -22.16 | -20.01 | -27.50 | -31.15 | -35.71 | -27.41 | -27.39 | -30.17 | -32.99 | -35.98 |
| 2000 | -26.27 | -20.25 | -27.01 | -30.54 | -34.77 | -27.19 | -27.17 | -29.71 | -32.25 | -35.10 |
| 2200 | -29.15 | -20.37 | -26.39 | -29.86 | -33.67 | -26.91 | -26.90 | -29.18 | -31.42 | -34.08 |
| 2400 | -22.47 | -20.10 | -25.66 | -29.12 | -32.57 | -26.62 | -26.62 | -28.66 | -30.61 | -33.09 |
| 2600 | -17.91 | -19.47 | -24.96 | -28.42 | -31.54 | -26.33 | -26.33 | -28.14 | -29.81 | -32.12 |
| 2800 | -15.25 | -18.68 | -24.21 | -27.63 | -30.45 | -25.99 | -26.00 | -27.59 | -28.99 | -31.09 |
| 3000 | -13.85 | -18.00 | -23.57 | -26.88 | -29.47 | -25.71 | -25.73 | -27.14 | -28.25 | -30.14 |
| 3200 | -13.38 | -17.60 | -23.09 | -26.24 | -28.62 | -25.51 | -25.54 | -26.79 | -27.62 | -29.30 |
| 3400 | -13.67 | -17.44 | -22.74 | -25.64 | -27.83 | -25.42 | -25.44 | -26.54 | -27.08 | -28.50 |
| 3600 | -14.61 | -17.49 | -22.54 | -25.12 | -27.15 | -25.51 | -25.53 | -26.49 | -26.68 | -27.79 |
| 3800 | -16.13 | -17.72 | -22.55 | -24.78 | -26.70 | -25.94 | -25.95 | -26.77 | -26.56 | -27.31 |
| 4000 | -18.17 | -18.04 | -22.75 | -24.59 | -26.47 | -26.89 | -26.89 | -27.53 | -26.80 | -27.07 |
| 4200 | -20.36 | -18.39 | -23.08 | -24.52 | -26.38 | -28.50 | -28.49 | -28.88 | -27.45 | -27.01 |
| 4400 | -21.83 | -18.84 | -23.57 | -24.65 | -26.45 | -30.97 | -30.93 | -30.95 | -28.63 | -27.16 |
| 4600 | -22.01 | -19.46 | -24.24 | -25.02 | -26.68 | -33.10 | -33.08 | -32.87 | -30.20 | -27.45 |
| 4800 | -21.86 | -20.23 | -24.71 | -25.06 | -26.26 | -30.84 | -30.87 | -31.21 | -30.41 | -26.95 |
| 5000 | -22.98 | -21.74 | -25.61 | -25.19 | -25.63 | -27.02 | -27.05 | -27.79 | -28.99 | -26.04 |
| 5200 | -25.62 | -24.24 | -26.92 | -25.20 | -24.76 | -23.95 | -23.96 | -24.78 | -26.57 | -24.80 |
| 5400 | -28.49 | -29.20 | -28.40 | -24.84 | -23.61 | -21.46 | -21.46 | -22.25 | -24.01 | -23.30 |
| 5600 | -28.79 | -42.14 | -28.04 | -23.92 | -22.32 | -19.54 | -19.53 | -20.26 | -21.81 | -21.81 |
| 5800 | -32.08 | -31.02 | -24.95 | -22.28 | -20.80 | -17.89 | -17.88 | -18.52 | -19.81 | -20.26 |
| 6000 | -39.42 | -24.13 | -22.04 | -20.82 | -19.67 | -16.83 | -16.82 | -17.38 | -18.43 | -19.16 |
| 6200 | -22.62 | -19.91 | -19.28 | -19.11 | -18.35 | -15.82 | -15.81 | -16.27 | -17.09 | -17.96 |
| 6400 | -16.41 | -16.96 | -17.22 | -17.74 | -17.32 | -15.15 | -15.14 | -15.49 | -16.06 | -17.05 |
| 6600 | -13.07 | -14.72 | -15.53 | -16.51 | -16.36 | -14.67 | -14.67 | -14.87 | -15.16 | -16.21 |
| 6800 | -12.32 | -13.87 | -14.82 | -15.95 | -15.90 | -14.55 | -14.54 | -14.63 | -14.74 | -15.82 |
| 7000 | -12.12 | -13.19 | -14.21 | -15.46 | -15.48 | -14.53 | -14.53 | -14.46 | -14.35 | -15.45 |
| 7200 | -12.42 | -12.83 | -13.86 | -15.13 | -15.16 | -14.65 | -14.66 | -14.40 | -14.07 | -15.16 |
| 7400 | -12.55 | -12.64 | -13.69 | -14.94 | -14.96 | -14.92 | -14.92 | -14.46 | -13.89 | -14.97 |
| 7600 | -12.22 | -12.54 | -13.69 | -14.89 | -14.89 | -15.35 | -15.36 | -14.64 | -13.85 | -14.90 |
| 7700 | -12.01 | -12.52 | -13.73 | -14.90 | -14.89 | -15.64 | -15.64 | -14.78 | -13.87 | -14.91 |
| 7800 | -11.88 | -12.53 | -13.78 | -14.94 | -14.92 | -15.96 | -15.96 | -14.95 | -13.91 | -14.94 |
| 7900 | -11.92 | -12.56 | -13.84 | -14.98 | -14.97 | -16.33 | -16.32 | -15.14 | -13.98 | -14.99 |
| 8000 | -12.20 | -12.64 | -13.92 | -15.05 | -15.05 | -16.75 | -16.74 | -15.37 | -14.09 | -15.07 |

Programmable Attenuator

RC4DAT-8G-95PE

Typical Performance Data

Test Conditions: @ Temperature = +50°C.

| Freq. (MHz) | I. Loss (dB) |
|-------------|--------------|
| 1 | -2.85 |
| 50 | -2.89 |
| 100 | -2.96 |
| 200 | -3.10 |
| 300 | -3.27 |
| 400 | -3.43 |
| 600 | -3.75 |
| 800 | -4.00 |
| 1000 | -4.18 |
| 1200 | -4.31 |
| 1400 | -4.43 |
| 1600 | -4.57 |
| 1800 | -4.72 |
| 2000 | -4.87 |
| 2200 | -5.00 |
| 2400 | -5.09 |
| 2600 | -5.16 |
| 2800 | -5.24 |
| 3000 | -5.35 |
| 3200 | -5.52 |
| 3400 | -5.71 |
| 3600 | -5.92 |
| 3800 | -6.14 |
| 4000 | -6.35 |
| 4200 | -6.57 |
| 4400 | -6.76 |
| 4600 | -6.96 |
| 4800 | -7.13 |
| 5000 | -7.27 |
| 5200 | -7.41 |
| 5400 | -7.54 |
| 5600 | -7.66 |
| 5800 | -7.76 |
| 6000 | -7.84 |
| 6200 | -7.97 |
| 6400 | -8.21 |
| 6600 | -8.63 |
| 6800 | -8.89 |
| 7000 | -9.20 |
| 7200 | -9.46 |
| 7400 | -9.72 |
| 7600 | -10.02 |
| 7700 | -10.17 |
| 7800 | -10.33 |
| 7900 | -10.48 |
| 8000 | -10.62 |

| Freq. (MHz) | IP3 (dBm) |
|-------------|-----------|
| 1 | 42.81 |
| 5 | 51.11 |
| 10 | 51.91 |
| 50 | 51.42 |
| 100 | 51.00 |
| 200 | 52.64 |
| 300 | 53.55 |
| 400 | 55.60 |
| 500 | 55.60 |
| 600 | 55.40 |
| 700 | 54.19 |
| 800 | 53.94 |
| 900 | 53.54 |
| 1000 | 54.46 |
| 1500 | 54.45 |
| 2000 | 54.45 |
| 2500 | 55.38 |
| 3000 | 54.63 |
| 3500 | 51.75 |
| 4000 | 51.07 |
| 4500 | 49.07 |
| 5000 | 52.48 |
| 5500 | 47.31 |
| 6000 | 47.65 |
| 6500 | 47.71 |
| 7000 | 50.48 |
| 7500 | 51.49 |
| 8000 | 46.56 |