

Programmable Attenuator

RCDAT-8G-120H

Typical Performance Data @ 0°C

| Freq. (MHz) | Attenuation relative to Insertion Loss (dB) | | | | | | | | | | | | |
|----------------|--|------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| | 0.25 dB | 5 dB | 10 dB | 20 dB | 40 dB | 60 dB | 80 dB | 90 dB | 100 dB | 105 dB | 110 dB | 115 dB | 120 dB |
| 100 | 0.28 | 5.03 | 10.05 | 20.17 | 40.25 | 58.87 | 78.85 | 88.94 | 98.98 | 103.84 | 107.94 | 112.34 | 116.36 |
| 200 | 0.29 | 5.08 | 10.12 | 20.34 | 40.49 | 59.36 | 79.28 | 89.38 | 99.31 | 104.12 | 108.25 | 112.61 | 116.49 |
| 300 | 0.29 | 5.08 | 10.12 | 20.36 | 40.43 | 59.51 | 79.20 | 89.28 | 98.91 | 103.65 | 107.73 | 112.14 | 115.98 |
| 400 | 0.28 | 5.05 | 10.08 | 20.35 | 40.32 | 59.47 | 78.98 | 89.06 | 98.47 | 103.20 | 107.30 | 111.72 | 115.51 |
| 500 | 0.28 | 5.01 | 10.02 | 20.31 | 40.22 | 59.29 | 78.71 | 88.81 | 98.16 | 102.92 | 107.04 | 111.42 | 115.41 |
| 600 | 0.27 | 4.96 | 9.97 | 20.26 | 40.13 | 59.14 | 78.57 | 88.69 | 98.09 | 102.92 | 107.05 | 111.47 | 115.49 |
| 700 | 0.27 | 4.92 | 9.92 | 20.20 | 40.06 | 59.11 | 78.57 | 88.71 | 98.21 | 103.10 | 107.24 | 111.68 | 115.75 |
| 800 | 0.26 | 4.88 | 9.89 | 20.16 | 40.01 | 59.15 | 78.66 | 88.81 | 98.41 | 103.36 | 107.46 | 111.99 | 116.20 |
| 900 | 0.26 | 4.85 | 9.87 | 20.13 | 39.98 | 59.25 | 78.82 | 88.97 | 98.67 | 103.64 | 107.83 | 112.30 | 116.40 |
| 1000 | 0.26 | 4.85 | 9.87 | 20.13 | 39.97 | 59.37 | 79.00 | 89.15 | 98.93 | 103.94 | 108.10 | 112.67 | 116.78 |
| 1100 | 0.26 | 4.85 | 9.89 | 20.14 | 39.99 | 59.43 | 79.09 | 89.26 | 99.08 | 104.13 | 108.29 | 112.82 | 116.94 |
| 1200 | 0.26 | 4.87 | 9.93 | 20.17 | 40.03 | 59.42 | 79.11 | 89.30 | 99.14 | 104.22 | 108.37 | 112.90 | 117.16 |
| 1300 | 0.26 | 4.89 | 9.98 | 20.21 | 40.08 | 59.43 | 79.15 | 89.34 | 99.21 | 104.32 | 108.48 | 113.01 | 117.33 |
| 1400 | 0.26 | 4.92 | 10.02 | 20.25 | 40.13 | 59.53 | 79.27 | 89.47 | 99.38 | 104.48 | 108.63 | 113.25 | 117.41 |
| 1500 | 0.26 | 4.95 | 10.06 | 20.29 | 40.19 | 59.66 | 79.44 | 89.64 | 99.57 | 104.68 | 108.84 | 113.49 | 117.78 |
| 1600 | 0.26 | 4.96 | 10.09 | 20.32 | 40.24 | 59.79 | 79.58 | 89.79 | 99.75 | 104.90 | 109.06 | 113.69 | 118.08 |
| 1700 | 0.26 | 4.97 | 10.11 | 20.34 | 40.27 | 59.89 | 79.69 | 89.92 | 99.89 | 105.04 | 109.22 | 113.88 | 118.18 |
| 1800 | 0.26 | 4.98 | 10.13 | 20.35 | 40.29 | 59.94 | 79.76 | 89.99 | 99.98 | 105.15 | 109.34 | 114.04 | 118.46 |
| 1900 | 0.26 | 4.98 | 10.14 | 20.35 | 40.30 | 59.95 | 79.79 | 90.03 | 100.05 | 105.25 | 109.45 | 114.07 | 118.53 |
| 2000 | 0.26 | 4.99 | 10.14 | 20.35 | 40.31 | 59.99 | 79.85 | 90.11 | 100.14 | 105.34 | 109.52 | 114.15 | 118.79 |
| 2200 | 0.26 | 4.99 | 10.17 | 20.36 | 40.35 | 60.15 | 80.05 | 90.32 | 100.40 | 105.62 | 109.84 | 114.53 | 118.96 |
| 2400 | 0.26 | 5.01 | 10.20 | 20.38 | 40.40 | 60.25 | 80.19 | 90.49 | 100.57 | 105.83 | 110.08 | 114.79 | 119.36 |
| 2600 | 0.26 | 5.03 | 10.24 | 20.41 | 40.45 | 60.34 | 80.31 | 90.62 | 100.74 | 105.97 | 110.27 | 115.00 | 119.66 |
| 2800 | 0.26 | 5.05 | 10.25 | 20.42 | 40.49 | 60.46 | 80.47 | 90.81 | 100.94 | 106.28 | 110.57 | 115.29 | 119.95 |
| 3000 | 0.26 | 5.07 | 10.25 | 20.42 | 40.53 | 60.53 | 80.58 | 90.95 | 101.11 | 106.45 | 110.81 | 115.62 | 120.30 |
| 3200 | 0.26 | 5.10 | 10.24 | 20.45 | 40.59 | 60.57 | 80.67 | 91.07 | 101.28 | 106.62 | 111.00 | 115.81 | 120.51 |
| 3400 | 0.27 | 5.16 | 10.26 | 20.51 | 40.69 | 60.71 | 80.85 | 91.29 | 101.52 | 106.89 | 111.33 | 116.19 | 121.20 |
| 3600 | 0.28 | 5.23 | 10.29 | 20.60 | 40.82 | 60.75 | 80.93 | 91.41 | 101.70 | 107.09 | 111.47 | 116.49 | 121.49 |
| 3800 | 0.29 | 5.30 | 10.33 | 20.68 | 40.95 | 60.90 | 81.12 | 91.64 | 101.97 | 107.39 | 111.79 | 116.99 | 121.72 |
| 4000 | 0.30 | 5.34 | 10.34 | 20.73 | 41.04 | 60.93 | 81.19 | 91.77 | 102.10 | 107.53 | 111.99 | 117.07 | 122.07 |
| 4200 | 0.31 | 5.33 | 10.31 | 20.72 | 41.06 | 60.88 | 81.18 | 91.82 | 102.19 | 107.58 | 112.02 | 117.33 | 122.56 |
| 4400 | 0.31 | 5.29 | 10.25 | 20.67 | 41.04 | 60.87 | 81.22 | 91.89 | 102.27 | 107.67 | 112.25 | 117.52 | 122.46 |
| 4600 | 0.31 | 5.24 | 10.19 | 20.62 | 41.02 | 60.86 | 81.25 | 91.97 | 102.36 | 107.81 | 112.28 | 117.54 | 122.63 |
| 4800 | 0.31 | 5.21 | 10.14 | 20.60 | 41.01 | 60.78 | 81.20 | 91.97 | 102.40 | 107.82 | 112.42 | 117.78 | 123.05 |
| 5000 | 0.31 | 5.20 | 10.13 | 20.61 | 41.04 | 60.80 | 81.27 | 92.05 | 102.49 | 107.89 | 112.49 | 117.89 | 123.61 |
| 5200 | 0.31 | 5.21 | 10.15 | 20.65 | 41.11 | 60.92 | 81.43 | 92.19 | 102.63 | 108.10 | 112.75 | 118.19 | 123.91 |
| 5400 | 0.31 | 5.23 | 10.19 | 20.71 | 41.20 | 61.03 | 81.55 | 92.32 | 102.73 | 108.30 | 112.77 | 118.40 | 123.78 |
| 5600 | 0.32 | 5.26 | 10.25 | 20.78 | 41.30 | 61.12 | 81.67 | 92.39 | 102.84 | 108.29 | 112.98 | 118.46 | 124.00 |
| 5800 | 0.33 | 5.29 | 10.31 | 20.82 | 41.39 | 61.29 | 81.84 | 92.52 | 102.95 | 108.49 | 113.12 | 118.89 | 124.29 |
| 6000 | 0.34 | 5.31 | 10.35 | 20.81 | 41.42 | 61.40 | 81.95 | 92.52 | 102.96 | 108.52 | 113.10 | 118.76 | 124.43 |
| 6200 | 0.35 | 5.29 | 10.34 | 20.72 | 41.35 | 61.34 | 81.88 | 92.36 | 102.83 | 108.39 | 112.72 | 118.10 | 123.76 |
| 6300 | 0.36 | 5.27 | 10.31 | 20.64 | 41.28 | 61.27 | 81.80 | 92.23 | 102.71 | 108.24 | 112.64 | 118.01 | 123.28 |
| 6400 | 0.36 | 5.22 | 10.26 | 20.53 | 41.16 | 61.18 | 81.70 | 92.10 | 102.60 | 108.13 | 112.50 | 117.90 | 123.55 |
| 6500 | 0.36 | 5.17 | 10.19 | 20.42 | 41.03 | 61.07 | 81.59 | 91.96 | 102.49 | 107.99 | 112.41 | 117.71 | 123.31 |
| 6600 | 0.36 | 5.11 | 10.12 | 20.30 | 40.87 | 60.93 | 81.43 | 91.74 | 102.27 | 107.66 | 112.07 | 117.17 | 122.56 |
| 6700 | 0.35 | 5.04 | 10.05 | 20.19 | 40.70 | 60.79 | 81.25 | 91.54 | 102.05 | 107.59 | 112.05 | 117.23 | 122.32 |
| 6800 | 0.34 | 4.99 | 9.99 | 20.11 | 40.55 | 60.63 | 81.08 | 91.34 | 101.91 | 107.35 | 111.82 | 116.96 | 122.39 |
| 6900 | 0.34 | 4.96 | 9.96 | 20.07 | 40.42 | 60.49 | 80.92 | 91.15 | 101.74 | 107.14 | 111.66 | 116.81 | 122.21 |
| 7000 | 0.33 | 4.94 | 9.95 | 20.07 | 40.33 | 60.40 | 80.80 | 91.00 | 101.61 | 107.10 | 111.49 | 116.53 | 121.78 |
| 7100 | 0.32 | 4.94 | 9.97 | 20.12 | 40.27 | 60.38 | 80.75 | 90.97 | 101.49 | 106.95 | 111.22 | 116.54 | 121.21 |
| 7200 | 0.32 | 4.97 | 10.02 | 20.22 | 40.25 | 60.41 | 80.73 | 90.91 | 101.53 | 106.82 | 111.13 | 116.36 | 121.44 |
| 7300 | 0.32 | 5.00 | 10.09 | 20.36 | 40.26 | 60.44 | 80.70 | 90.86 | 101.50 | 106.81 | 111.21 | 116.32 | 121.94 |
| 7400 | 0.32 | 5.05 | 10.16 | 20.52 | 40.29 | 60.47 | 80.67 | 90.81 | 101.44 | 106.71 | 111.04 | 116.06 | 121.36 |
| 7500 | 0.32 | 5.10 | 10.24 | 20.70 | 40.32 | 60.51 | 80.66 | 90.82 | 101.45 | 106.70 | 111.10 | 116.58 | 121.71 |
| 7600 | 0.32 | 5.15 | 10.30 | 20.86 | 40.35 | 60.56 | 80.65 | 90.81 | 101.43 | 106.61 | 111.08 | 116.62 | 121.76 |
| 7700 | 0.32 | 5.18 | 10.34 | 21.00 | 40.35 | 60.56 | 80.58 | 90.73 | 101.29 | 106.40 | 110.81 | 116.19 | 121.00 |
| 7800 | 0.32 | 5.21 | 10.36 | 21.11 | 40.32 | 60.52 | 80.46 | 90.61 | 101.03 | 106.06 | 110.43 | 115.55 | 120.07 |
| 7900 | 0.32 | 5.23 | 10.35 | 21.17 | 40.24 | 60.45 | 80.31 | 90.42 | 100.71 | 105.70 | 109.92 | 115.07 | 119.39 |
| 8000 | 0.33 | 5.24 | 10.32 | 21.19 | 40.13 | 60.33 | 80.10 | 90.21 | 100.32 | 105.29 | 109.34 | 114.20 | 118.46 |

Notes

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



Programmable Attenuator

RCDAT-8G-120H

Typical Performance Data @ 0°C

| Freq. (MHz) | Attenuation relative to Insertion Loss @ Fine resolution (0.05 dB) | | | | | | | | | |
|----------------|---|---------|--------|---------|--------|---------|-------|---------|-------|---------|
| | 7.4 dB | 7.45 dB | 7.5 dB | 7.55 dB | 7.6 dB | 67.4 dB | 67.45 | 67.5 dB | 67.55 | 67.6 dB |
| 100 | 7.53 | 7.59 | 7.61 | 7.66 | 7.72 | 66.28 | 66.33 | 66.38 | 66.42 | 66.47 |
| 200 | 7.58 | 7.64 | 7.67 | 7.72 | 7.77 | 66.76 | 66.81 | 66.86 | 66.91 | 66.96 |
| 300 | 7.58 | 7.63 | 7.66 | 7.71 | 7.77 | 66.92 | 66.97 | 67.02 | 67.06 | 67.11 |
| 400 | 7.54 | 7.60 | 7.62 | 7.68 | 7.73 | 66.89 | 66.93 | 66.98 | 67.03 | 67.08 |
| 500 | 7.50 | 7.55 | 7.57 | 7.63 | 7.69 | 66.70 | 66.75 | 66.80 | 66.85 | 66.90 |
| 600 | 7.45 | 7.51 | 7.52 | 7.58 | 7.64 | 66.56 | 66.61 | 66.65 | 66.71 | 66.76 |
| 700 | 7.41 | 7.47 | 7.48 | 7.54 | 7.60 | 66.54 | 66.59 | 66.62 | 66.68 | 66.73 |
| 800 | 7.38 | 7.44 | 7.45 | 7.51 | 7.57 | 66.58 | 66.63 | 66.66 | 66.72 | 66.77 |
| 900 | 7.37 | 7.43 | 7.44 | 7.50 | 7.56 | 66.69 | 66.74 | 66.77 | 66.83 | 66.88 |
| 1000 | 7.38 | 7.44 | 7.45 | 7.51 | 7.57 | 66.82 | 66.87 | 66.89 | 66.95 | 67.01 |
| 1100 | 7.41 | 7.46 | 7.47 | 7.53 | 7.59 | 66.88 | 66.93 | 66.95 | 67.01 | 67.07 |
| 1200 | 7.44 | 7.50 | 7.51 | 7.57 | 7.63 | 66.88 | 66.93 | 66.94 | 67.00 | 67.06 |
| 1300 | 7.48 | 7.54 | 7.55 | 7.61 | 7.67 | 66.90 | 66.95 | 66.96 | 67.02 | 67.08 |
| 1400 | 7.52 | 7.57 | 7.59 | 7.65 | 7.71 | 67.00 | 67.05 | 67.06 | 67.12 | 67.18 |
| 1500 | 7.55 | 7.61 | 7.62 | 7.68 | 7.74 | 67.14 | 67.20 | 67.20 | 67.26 | 67.33 |
| 1600 | 7.58 | 7.63 | 7.64 | 7.70 | 7.76 | 67.27 | 67.33 | 67.33 | 67.39 | 67.46 |
| 1700 | 7.59 | 7.65 | 7.66 | 7.72 | 7.78 | 67.38 | 67.44 | 67.43 | 67.50 | 67.56 |
| 1800 | 7.60 | 7.65 | 7.66 | 7.72 | 7.78 | 67.44 | 67.50 | 67.49 | 67.56 | 67.62 |
| 1900 | 7.60 | 7.66 | 7.66 | 7.72 | 7.78 | 67.46 | 67.52 | 67.51 | 67.57 | 67.64 |
| 2000 | 7.61 | 7.67 | 7.66 | 7.72 | 7.79 | 67.51 | 67.57 | 67.55 | 67.62 | 67.69 |
| 2200 | 7.63 | 7.69 | 7.68 | 7.74 | 7.80 | 67.67 | 67.74 | 67.73 | 67.79 | 67.86 |
| 2400 | 7.67 | 7.73 | 7.71 | 7.78 | 7.84 | 67.79 | 67.85 | 67.84 | 67.91 | 67.97 |
| 2600 | 7.70 | 7.76 | 7.74 | 7.81 | 7.87 | 67.89 | 67.95 | 67.95 | 68.01 | 68.08 |
| 2800 | 7.70 | 7.76 | 7.74 | 7.81 | 7.87 | 68.03 | 68.09 | 68.08 | 68.15 | 68.21 |
| 3000 | 7.67 | 7.73 | 7.72 | 7.78 | 7.84 | 68.12 | 68.18 | 68.18 | 68.24 | 68.30 |
| 3200 | 7.63 | 7.68 | 7.68 | 7.74 | 7.80 | 68.19 | 68.25 | 68.24 | 68.30 | 68.37 |
| 3400 | 7.59 | 7.64 | 7.65 | 7.71 | 7.77 | 68.35 | 68.41 | 68.41 | 68.47 | 68.53 |
| 3600 | 7.56 | 7.62 | 7.64 | 7.70 | 7.75 | 68.42 | 68.48 | 68.48 | 68.54 | 68.61 |
| 3800 | 7.56 | 7.62 | 7.64 | 7.70 | 7.76 | 68.61 | 68.68 | 68.66 | 68.73 | 68.80 |
| 4000 | 7.56 | 7.62 | 7.64 | 7.70 | 7.76 | 68.69 | 68.75 | 68.74 | 68.81 | 68.87 |
| 4200 | 7.55 | 7.62 | 7.62 | 7.68 | 7.75 | 68.69 | 68.76 | 68.73 | 68.80 | 68.87 |
| 4400 | 7.53 | 7.59 | 7.58 | 7.65 | 7.72 | 68.72 | 68.79 | 68.76 | 68.83 | 68.90 |
| 4600 | 7.51 | 7.58 | 7.54 | 7.61 | 7.69 | 68.78 | 68.85 | 68.79 | 68.87 | 68.95 |
| 4800 | 7.50 | 7.57 | 7.51 | 7.59 | 7.66 | 68.74 | 68.82 | 68.75 | 68.83 | 68.91 |
| 5000 | 7.50 | 7.58 | 7.50 | 7.59 | 7.67 | 68.81 | 68.90 | 68.80 | 68.89 | 68.97 |
| 5200 | 7.54 | 7.62 | 7.52 | 7.61 | 7.69 | 68.97 | 69.06 | 68.95 | 69.04 | 69.12 |
| 5400 | 7.58 | 7.67 | 7.55 | 7.64 | 7.73 | 69.10 | 69.19 | 69.07 | 69.16 | 69.25 |
| 5600 | 7.64 | 7.73 | 7.59 | 7.69 | 7.78 | 69.21 | 69.30 | 69.17 | 69.26 | 69.36 |
| 5800 | 7.70 | 7.79 | 7.64 | 7.74 | 7.83 | 69.39 | 69.48 | 69.34 | 69.43 | 69.53 |
| 6000 | 7.74 | 7.83 | 7.67 | 7.77 | 7.87 | 69.52 | 69.61 | 69.46 | 69.56 | 69.65 |
| 6200 | 7.74 | 7.83 | 7.66 | 7.76 | 7.86 | 69.46 | 69.55 | 69.41 | 69.50 | 69.59 |
| 6300 | 7.72 | 7.81 | 7.64 | 7.74 | 7.84 | 69.39 | 69.48 | 69.35 | 69.44 | 69.53 |
| 6400 | 7.68 | 7.78 | 7.61 | 7.70 | 7.80 | 69.30 | 69.39 | 69.26 | 69.35 | 69.44 |
| 6500 | 7.64 | 7.73 | 7.56 | 7.66 | 7.75 | 69.19 | 69.28 | 69.16 | 69.24 | 69.33 |
| 6600 | 7.60 | 7.69 | 7.52 | 7.61 | 7.70 | 69.06 | 69.14 | 69.03 | 69.11 | 69.20 |
| 6700 | 7.55 | 7.64 | 7.47 | 7.56 | 7.65 | 68.92 | 69.00 | 68.88 | 68.97 | 69.06 |
| 6800 | 7.52 | 7.60 | 7.44 | 7.53 | 7.62 | 68.76 | 68.84 | 68.73 | 68.81 | 68.90 |
| 6900 | 7.50 | 7.58 | 7.42 | 7.51 | 7.60 | 68.62 | 68.69 | 68.59 | 68.67 | 68.75 |
| 7000 | 7.50 | 7.58 | 7.43 | 7.51 | 7.60 | 68.53 | 68.61 | 68.50 | 68.59 | 68.67 |
| 7100 | 7.53 | 7.61 | 7.45 | 7.54 | 7.62 | 68.51 | 68.59 | 68.48 | 68.56 | 68.64 |
| 7200 | 7.57 | 7.65 | 7.50 | 7.58 | 7.66 | 68.53 | 68.60 | 68.49 | 68.57 | 68.65 |
| 7300 | 7.62 | 7.70 | 7.55 | 7.64 | 7.72 | 68.54 | 68.62 | 68.51 | 68.59 | 68.67 |
| 7400 | 7.68 | 7.76 | 7.61 | 7.69 | 7.78 | 68.56 | 68.63 | 68.53 | 68.61 | 68.69 |
| 7500 | 7.74 | 7.82 | 7.67 | 7.75 | 7.84 | 68.58 | 68.66 | 68.55 | 68.63 | 68.71 |
| 7600 | 7.78 | 7.86 | 7.70 | 7.79 | 7.88 | 68.61 | 68.68 | 68.57 | 68.65 | 68.73 |
| 7700 | 7.81 | 7.89 | 7.72 | 7.81 | 7.90 | 68.58 | 68.66 | 68.54 | 68.62 | 68.71 |
| 7800 | 7.81 | 7.89 | 7.72 | 7.81 | 7.90 | 68.51 | 68.59 | 68.46 | 68.55 | 68.64 |
| 7900 | 7.78 | 7.87 | 7.69 | 7.78 | 7.88 | 68.40 | 68.48 | 68.35 | 68.43 | 68.52 |
| 8000 | 7.73 | 7.82 | 7.64 | 7.73 | 7.83 | 68.24 | 68.32 | 68.17 | 68.26 | 68.35 |

Notes

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



Programmable Attenuator

RCDAT-8G-120H

Typical Performance Data @ 0°C

| Freq. (MHz) | Attenuation relative to Insertion Loss @ Fine resolution (0.05 dB) | | | | |
|-------------|--|--------|--------|--------|--------|
| | 100.4 | 100.45 | 100.5 | 100.55 | 100.6 |
| 100 | 99.40 | 99.45 | 99.50 | 99.53 | 99.59 |
| 200 | 99.74 | 99.78 | 99.83 | 99.86 | 99.92 |
| 300 | 99.32 | 99.36 | 99.43 | 99.45 | 99.50 |
| 400 | 98.87 | 98.93 | 98.98 | 99.02 | 99.06 |
| 500 | 98.58 | 98.64 | 98.69 | 98.73 | 98.77 |
| 600 | 98.52 | 98.56 | 98.63 | 98.67 | 98.72 |
| 700 | 98.63 | 98.68 | 98.74 | 98.79 | 98.83 |
| 800 | 98.83 | 98.89 | 98.94 | 98.98 | 99.04 |
| 900 | 99.10 | 99.15 | 99.18 | 99.24 | 99.28 |
| 1000 | 99.35 | 99.39 | 99.44 | 99.50 | 99.54 |
| 1100 | 99.51 | 99.57 | 99.60 | 99.65 | 99.70 |
| 1200 | 99.58 | 99.64 | 99.66 | 99.71 | 99.75 |
| 1300 | 99.66 | 99.72 | 99.75 | 99.79 | 99.84 |
| 1400 | 99.82 | 99.88 | 99.91 | 99.93 | 100.00 |
| 1500 | 100.02 | 100.08 | 100.10 | 100.14 | 100.20 |
| 1600 | 100.19 | 100.24 | 100.27 | 100.31 | 100.37 |
| 1700 | 100.33 | 100.39 | 100.41 | 100.45 | 100.51 |
| 1800 | 100.44 | 100.49 | 100.50 | 100.56 | 100.63 |
| 1900 | 100.50 | 100.55 | 100.57 | 100.62 | 100.69 |
| 2000 | 100.58 | 100.63 | 100.67 | 100.69 | 100.79 |
| 2200 | 100.82 | 100.91 | 100.90 | 100.95 | 101.02 |
| 2400 | 101.03 | 101.07 | 101.10 | 101.13 | 101.20 |
| 2600 | 101.19 | 101.24 | 101.26 | 101.30 | 101.37 |
| 2800 | 101.41 | 101.48 | 101.47 | 101.53 | 101.61 |
| 3000 | 101.59 | 101.64 | 101.66 | 101.70 | 101.77 |
| 3200 | 101.75 | 101.79 | 101.81 | 101.88 | 101.94 |
| 3400 | 102.01 | 102.08 | 102.07 | 102.13 | 102.20 |
| 3600 | 102.15 | 102.23 | 102.24 | 102.29 | 102.37 |
| 3800 | 102.44 | 102.50 | 102.51 | 102.58 | 102.61 |
| 4000 | 102.61 | 102.67 | 102.64 | 102.71 | 102.79 |
| 4200 | 102.67 | 102.74 | 102.78 | 102.80 | 102.87 |
| 4400 | 102.81 | 102.87 | 102.86 | 102.93 | 103.02 |
| 4600 | 102.90 | 103.00 | 102.95 | 103.04 | 103.08 |
| 4800 | 102.94 | 102.98 | 102.98 | 103.03 | 103.12 |
| 5000 | 103.06 | 103.11 | 103.09 | 103.15 | 103.25 |
| 5200 | 103.21 | 103.31 | 103.22 | 103.32 | 103.41 |
| 5400 | 103.32 | 103.43 | 103.35 | 103.41 | 103.46 |
| 5600 | 103.43 | 103.52 | 103.46 | 103.51 | 103.60 |
| 5800 | 103.60 | 103.70 | 103.54 | 103.62 | 103.74 |
| 6000 | 103.57 | 103.70 | 103.57 | 103.70 | 103.77 |
| 6200 | 103.43 | 103.50 | 103.37 | 103.49 | 103.58 |
| 6300 | 103.30 | 103.35 | 103.25 | 103.36 | 103.47 |
| 6400 | 103.18 | 103.27 | 103.17 | 103.23 | 103.34 |
| 6500 | 103.06 | 103.19 | 103.02 | 103.12 | 103.23 |
| 6600 | 102.87 | 103.00 | 102.84 | 102.94 | 103.03 |
| 6700 | 102.75 | 102.76 | 102.61 | 102.75 | 102.85 |
| 6800 | 102.55 | 102.63 | 102.46 | 102.62 | 102.64 |
| 6900 | 102.30 | 102.43 | 102.31 | 102.42 | 102.47 |
| 7000 | 102.14 | 102.28 | 102.19 | 102.30 | 102.34 |
| 7100 | 102.05 | 102.21 | 102.12 | 102.25 | 102.24 |
| 7200 | 102.11 | 102.21 | 102.06 | 102.14 | 102.22 |
| 7300 | 102.04 | 102.15 | 102.07 | 102.13 | 102.19 |
| 7400 | 101.96 | 102.05 | 102.02 | 102.03 | 102.14 |
| 7500 | 102.06 | 102.11 | 102.06 | 102.10 | 102.22 |
| 7600 | 102.02 | 102.11 | 102.04 | 102.08 | 102.18 |
| 7700 | 101.90 | 102.00 | 101.85 | 101.93 | 101.94 |
| 7800 | 101.64 | 101.71 | 101.60 | 101.66 | 101.67 |
| 7900 | 101.32 | 101.40 | 101.30 | 101.34 | 101.42 |
| 8000 | 100.90 | 101.02 | 100.92 | 100.95 | 101.05 |

| Freq. (MHz) | I. Loss (dB) |
|-------------|--------------|
| 100 | 4.22 |
| 200 | 3.94 |
| 300 | 3.99 |
| 400 | 4.10 |
| 500 | 4.24 |
| 600 | 4.38 |
| 700 | 4.53 |
| 800 | 4.66 |
| 900 | 4.78 |
| 1000 | 4.88 |
| 1100 | 4.95 |
| 1200 | 5.01 |
| 1300 | 5.06 |
| 1400 | 5.10 |
| 1500 | 5.16 |
| 1600 | 5.23 |
| 1700 | 5.31 |
| 1800 | 5.43 |
| 1900 | 5.56 |
| 2000 | 5.69 |
| 2200 | 5.84 |
| 2400 | 5.90 |
| 2600 | 6.00 |
| 2800 | 6.15 |
| 3000 | 6.34 |
| 3200 | 6.52 |
| 3400 | 6.69 |
| 3600 | 6.84 |
| 3800 | 7.00 |
| 4000 | 7.20 |
| 4200 | 7.44 |
| 4400 | 7.73 |
| 4600 | 8.01 |
| 4800 | 8.27 |
| 5000 | 8.48 |
| 5200 | 8.66 |
| 5400 | 8.83 |
| 5600 | 9.00 |
| 5800 | 9.21 |
| 6000 | 9.50 |
| 6200 | 9.90 |
| 6300 | 10.15 |
| 6400 | 10.44 |
| 6500 | 10.74 |
| 6600 | 11.06 |
| 6700 | 11.38 |
| 6800 | 11.67 |
| 6900 | 11.93 |
| 7000 | 12.13 |
| 7100 | 12.28 |
| 7200 | 12.38 |
| 7300 | 12.43 |
| 7400 | 12.45 |
| 7500 | 12.45 |
| 7600 | 12.43 |
| 7700 | 12.44 |
| 7800 | 12.46 |
| 7900 | 12.52 |
| 8000 | 12.62 |

Notes

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



Programmable Attenuator

RCDAT-8G-120H

Typical Performance Data @ 0°C

| Freq. (MHz) | Input VSWR (:1) | | | | | | | | | | | | |
|----------------|--------------------|------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| | 0.25 dB | 5 dB | 10 dB | 20 dB | 40 dB | 60 dB | 80 dB | 90 dB | 100 dB | 105 dB | 110 dB | 115 dB | 120 dB |
| 100 | 2.05 | 1.64 | 1.33 | 1.40 | 1.24 | 1.20 | 1.20 | 1.26 | 1.23 | 1.20 | 1.23 | 1.23 | 1.20 |
| 200 | 1.64 | 1.42 | 1.17 | 1.30 | 1.11 | 1.07 | 1.06 | 1.16 | 1.10 | 1.07 | 1.10 | 1.10 | 1.07 |
| 300 | 1.50 | 1.35 | 1.12 | 1.28 | 1.08 | 1.04 | 1.02 | 1.14 | 1.07 | 1.04 | 1.07 | 1.07 | 1.04 |
| 400 | 1.39 | 1.30 | 1.09 | 1.26 | 1.07 | 1.03 | 1.01 | 1.13 | 1.06 | 1.03 | 1.06 | 1.06 | 1.03 |
| 500 | 1.29 | 1.27 | 1.08 | 1.26 | 1.07 | 1.03 | 1.01 | 1.13 | 1.06 | 1.04 | 1.06 | 1.06 | 1.04 |
| 600 | 1.19 | 1.24 | 1.07 | 1.26 | 1.07 | 1.04 | 1.02 | 1.13 | 1.06 | 1.04 | 1.06 | 1.06 | 1.04 |
| 700 | 1.12 | 1.23 | 1.06 | 1.25 | 1.07 | 1.05 | 1.03 | 1.13 | 1.06 | 1.05 | 1.06 | 1.06 | 1.05 |
| 800 | 1.11 | 1.23 | 1.05 | 1.25 | 1.07 | 1.05 | 1.04 | 1.13 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 |
| 900 | 1.16 | 1.24 | 1.05 | 1.25 | 1.07 | 1.06 | 1.04 | 1.12 | 1.06 | 1.06 | 1.06 | 1.06 | 1.06 |
| 1000 | 1.24 | 1.27 | 1.05 | 1.25 | 1.07 | 1.07 | 1.05 | 1.12 | 1.06 | 1.07 | 1.06 | 1.06 | 1.07 |
| 1100 | 1.31 | 1.29 | 1.05 | 1.25 | 1.07 | 1.07 | 1.05 | 1.12 | 1.06 | 1.07 | 1.06 | 1.06 | 1.07 |
| 1200 | 1.37 | 1.31 | 1.06 | 1.24 | 1.07 | 1.08 | 1.06 | 1.12 | 1.06 | 1.08 | 1.06 | 1.06 | 1.08 |
| 1300 | 1.40 | 1.32 | 1.06 | 1.24 | 1.07 | 1.08 | 1.06 | 1.11 | 1.06 | 1.08 | 1.06 | 1.06 | 1.08 |
| 1400 | 1.41 | 1.32 | 1.06 | 1.24 | 1.07 | 1.09 | 1.07 | 1.11 | 1.06 | 1.09 | 1.06 | 1.06 | 1.09 |
| 1500 | 1.40 | 1.32 | 1.06 | 1.23 | 1.07 | 1.09 | 1.07 | 1.11 | 1.06 | 1.09 | 1.06 | 1.06 | 1.09 |
| 1600 | 1.36 | 1.30 | 1.05 | 1.22 | 1.07 | 1.09 | 1.08 | 1.11 | 1.06 | 1.10 | 1.06 | 1.06 | 1.10 |
| 1700 | 1.30 | 1.27 | 1.05 | 1.22 | 1.07 | 1.10 | 1.08 | 1.10 | 1.06 | 1.10 | 1.06 | 1.06 | 1.10 |
| 1800 | 1.24 | 1.25 | 1.05 | 1.21 | 1.07 | 1.10 | 1.08 | 1.10 | 1.06 | 1.10 | 1.06 | 1.06 | 1.10 |
| 1900 | 1.18 | 1.22 | 1.04 | 1.20 | 1.07 | 1.10 | 1.09 | 1.10 | 1.06 | 1.11 | 1.06 | 1.07 | 1.11 |
| 2000 | 1.13 | 1.20 | 1.04 | 1.20 | 1.07 | 1.10 | 1.09 | 1.10 | 1.07 | 1.11 | 1.07 | 1.07 | 1.11 |
| 2200 | 1.10 | 1.18 | 1.03 | 1.18 | 1.06 | 1.11 | 1.09 | 1.10 | 1.06 | 1.11 | 1.06 | 1.06 | 1.11 |
| 2400 | 1.14 | 1.17 | 1.03 | 1.17 | 1.05 | 1.11 | 1.09 | 1.08 | 1.05 | 1.11 | 1.05 | 1.05 | 1.11 |
| 2600 | 1.18 | 1.17 | 1.03 | 1.15 | 1.04 | 1.11 | 1.09 | 1.07 | 1.04 | 1.11 | 1.04 | 1.04 | 1.11 |
| 2800 | 1.19 | 1.17 | 1.04 | 1.14 | 1.03 | 1.11 | 1.09 | 1.07 | 1.04 | 1.11 | 1.04 | 1.04 | 1.11 |
| 3000 | 1.20 | 1.16 | 1.04 | 1.13 | 1.03 | 1.11 | 1.10 | 1.07 | 1.04 | 1.11 | 1.04 | 1.04 | 1.11 |
| 3200 | 1.21 | 1.14 | 1.04 | 1.12 | 1.03 | 1.12 | 1.11 | 1.07 | 1.04 | 1.12 | 1.04 | 1.04 | 1.12 |
| 3400 | 1.25 | 1.14 | 1.03 | 1.10 | 1.04 | 1.13 | 1.12 | 1.07 | 1.05 | 1.13 | 1.05 | 1.05 | 1.13 |
| 3600 | 1.27 | 1.13 | 1.02 | 1.09 | 1.04 | 1.13 | 1.13 | 1.07 | 1.05 | 1.14 | 1.05 | 1.05 | 1.14 |
| 3800 | 1.26 | 1.11 | 1.04 | 1.08 | 1.06 | 1.15 | 1.14 | 1.07 | 1.06 | 1.15 | 1.06 | 1.06 | 1.15 |
| 4000 | 1.24 | 1.08 | 1.09 | 1.07 | 1.07 | 1.16 | 1.16 | 1.08 | 1.07 | 1.16 | 1.07 | 1.07 | 1.16 |
| 4200 | 1.22 | 1.05 | 1.13 | 1.06 | 1.08 | 1.18 | 1.18 | 1.09 | 1.09 | 1.18 | 1.09 | 1.09 | 1.18 |
| 4400 | 1.23 | 1.06 | 1.17 | 1.05 | 1.10 | 1.19 | 1.19 | 1.10 | 1.10 | 1.20 | 1.10 | 1.10 | 1.20 |
| 4600 | 1.25 | 1.07 | 1.19 | 1.06 | 1.11 | 1.21 | 1.21 | 1.11 | 1.11 | 1.21 | 1.11 | 1.11 | 1.21 |
| 4800 | 1.26 | 1.08 | 1.20 | 1.06 | 1.11 | 1.22 | 1.22 | 1.13 | 1.12 | 1.22 | 1.12 | 1.12 | 1.22 |
| 5000 | 1.24 | 1.08 | 1.21 | 1.06 | 1.13 | 1.23 | 1.24 | 1.15 | 1.14 | 1.24 | 1.14 | 1.14 | 1.24 |
| 5200 | 1.20 | 1.06 | 1.21 | 1.06 | 1.15 | 1.26 | 1.26 | 1.17 | 1.16 | 1.26 | 1.16 | 1.16 | 1.26 |
| 5400 | 1.13 | 1.05 | 1.21 | 1.07 | 1.17 | 1.28 | 1.29 | 1.19 | 1.19 | 1.28 | 1.19 | 1.19 | 1.28 |
| 5600 | 1.06 | 1.06 | 1.21 | 1.07 | 1.19 | 1.30 | 1.31 | 1.21 | 1.21 | 1.31 | 1.21 | 1.21 | 1.31 |
| 5800 | 1.06 | 1.13 | 1.24 | 1.10 | 1.23 | 1.34 | 1.35 | 1.25 | 1.25 | 1.34 | 1.25 | 1.25 | 1.34 |
| 6000 | 1.17 | 1.21 | 1.28 | 1.13 | 1.27 | 1.37 | 1.38 | 1.27 | 1.28 | 1.37 | 1.28 | 1.28 | 1.38 |
| 6200 | 1.33 | 1.31 | 1.34 | 1.18 | 1.31 | 1.40 | 1.41 | 1.30 | 1.32 | 1.41 | 1.32 | 1.32 | 1.41 |
| 6300 | 1.42 | 1.36 | 1.39 | 1.21 | 1.34 | 1.42 | 1.42 | 1.32 | 1.34 | 1.43 | 1.34 | 1.34 | 1.43 |
| 6400 | 1.54 | 1.43 | 1.44 | 1.24 | 1.37 | 1.44 | 1.44 | 1.33 | 1.37 | 1.45 | 1.37 | 1.37 | 1.45 |
| 6500 | 1.64 | 1.48 | 1.48 | 1.26 | 1.38 | 1.45 | 1.45 | 1.34 | 1.38 | 1.46 | 1.38 | 1.38 | 1.46 |
| 6600 | 1.73 | 1.54 | 1.53 | 1.28 | 1.41 | 1.47 | 1.46 | 1.35 | 1.40 | 1.47 | 1.40 | 1.40 | 1.47 |
| 6700 | 1.82 | 1.58 | 1.57 | 1.31 | 1.43 | 1.48 | 1.47 | 1.36 | 1.42 | 1.49 | 1.42 | 1.42 | 1.49 |
| 6800 | 1.87 | 1.62 | 1.60 | 1.33 | 1.45 | 1.49 | 1.47 | 1.36 | 1.43 | 1.50 | 1.43 | 1.43 | 1.50 |
| 6900 | 1.90 | 1.64 | 1.62 | 1.35 | 1.47 | 1.51 | 1.48 | 1.37 | 1.45 | 1.51 | 1.45 | 1.45 | 1.51 |
| 7000 | 1.89 | 1.64 | 1.63 | 1.37 | 1.49 | 1.51 | 1.48 | 1.37 | 1.47 | 1.52 | 1.47 | 1.47 | 1.52 |
| 7100 | 1.84 | 1.62 | 1.63 | 1.38 | 1.50 | 1.52 | 1.48 | 1.37 | 1.48 | 1.52 | 1.48 | 1.48 | 1.52 |
| 7200 | 1.77 | 1.59 | 1.62 | 1.39 | 1.51 | 1.53 | 1.48 | 1.37 | 1.49 | 1.53 | 1.49 | 1.49 | 1.53 |
| 7300 | 1.67 | 1.54 | 1.59 | 1.40 | 1.52 | 1.53 | 1.48 | 1.37 | 1.50 | 1.53 | 1.50 | 1.50 | 1.53 |
| 7400 | 1.56 | 1.48 | 1.56 | 1.40 | 1.53 | 1.53 | 1.47 | 1.36 | 1.51 | 1.54 | 1.51 | 1.51 | 1.53 |
| 7500 | 1.43 | 1.41 | 1.51 | 1.40 | 1.53 | 1.53 | 1.47 | 1.36 | 1.52 | 1.53 | 1.52 | 1.52 | 1.53 |
| 7600 | 1.31 | 1.35 | 1.47 | 1.41 | 1.53 | 1.53 | 1.46 | 1.35 | 1.52 | 1.53 | 1.52 | 1.52 | 1.53 |
| 7700 | 1.21 | 1.29 | 1.43 | 1.41 | 1.53 | 1.52 | 1.44 | 1.34 | 1.52 | 1.52 | 1.52 | 1.52 | 1.52 |
| 7800 | 1.13 | 1.25 | 1.38 | 1.41 | 1.52 | 1.51 | 1.43 | 1.33 | 1.52 | 1.51 | 1.52 | 1.52 | 1.51 |
| 7900 | 1.11 | 1.22 | 1.35 | 1.42 | 1.51 | 1.50 | 1.41 | 1.32 | 1.51 | 1.50 | 1.51 | 1.51 | 1.50 |
| 8000 | 1.14 | 1.21 | 1.32 | 1.42 | 1.49 | 1.48 | 1.39 | 1.31 | 1.50 | 1.48 | 1.50 | 1.50 | 1.48 |

Notes

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



Programmable Attenuator

RCDAT-8G-120H

Typical Performance Data @ 0°C

| Freq. (MHz) | Output VSWR (:1) | | | | | | | | | | | | |
|----------------|---------------------|------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| | 0.25 dB | 5 dB | 10 dB | 20 dB | 40 dB | 60 dB | 80 dB | 90 dB | 100 dB | 105 dB | 110 dB | 115 dB | 120 dB |
| 100 | 2.06 | 1.65 | 1.38 | 1.35 | 1.28 | 1.21 | 1.21 | 1.24 | 1.23 | 1.22 | 1.22 | 1.22 | 1.21 |
| 200 | 1.64 | 1.39 | 1.21 | 1.22 | 1.16 | 1.09 | 1.08 | 1.12 | 1.10 | 1.09 | 1.09 | 1.09 | 1.08 |
| 300 | 1.49 | 1.31 | 1.16 | 1.18 | 1.14 | 1.05 | 1.04 | 1.09 | 1.07 | 1.06 | 1.06 | 1.06 | 1.04 |
| 400 | 1.38 | 1.26 | 1.13 | 1.16 | 1.13 | 1.04 | 1.03 | 1.08 | 1.06 | 1.05 | 1.04 | 1.04 | 1.03 |
| 500 | 1.27 | 1.22 | 1.12 | 1.16 | 1.13 | 1.04 | 1.04 | 1.08 | 1.06 | 1.05 | 1.04 | 1.04 | 1.03 |
| 600 | 1.17 | 1.20 | 1.11 | 1.16 | 1.13 | 1.05 | 1.04 | 1.08 | 1.07 | 1.06 | 1.04 | 1.04 | 1.03 |
| 700 | 1.08 | 1.18 | 1.10 | 1.16 | 1.13 | 1.05 | 1.05 | 1.08 | 1.06 | 1.06 | 1.05 | 1.05 | 1.04 |
| 800 | 1.08 | 1.19 | 1.10 | 1.16 | 1.12 | 1.05 | 1.05 | 1.08 | 1.06 | 1.06 | 1.05 | 1.05 | 1.04 |
| 900 | 1.15 | 1.22 | 1.11 | 1.16 | 1.12 | 1.05 | 1.05 | 1.08 | 1.06 | 1.06 | 1.05 | 1.05 | 1.05 |
| 1000 | 1.23 | 1.25 | 1.12 | 1.16 | 1.12 | 1.06 | 1.06 | 1.08 | 1.06 | 1.07 | 1.05 | 1.05 | 1.05 |
| 1100 | 1.30 | 1.28 | 1.13 | 1.16 | 1.12 | 1.06 | 1.06 | 1.08 | 1.06 | 1.07 | 1.05 | 1.05 | 1.06 |
| 1200 | 1.36 | 1.30 | 1.14 | 1.16 | 1.12 | 1.06 | 1.06 | 1.08 | 1.06 | 1.07 | 1.06 | 1.06 | 1.06 |
| 1300 | 1.40 | 1.32 | 1.15 | 1.16 | 1.11 | 1.07 | 1.06 | 1.08 | 1.06 | 1.07 | 1.06 | 1.06 | 1.07 |
| 1400 | 1.41 | 1.32 | 1.15 | 1.16 | 1.11 | 1.07 | 1.07 | 1.08 | 1.06 | 1.08 | 1.06 | 1.06 | 1.07 |
| 1500 | 1.40 | 1.32 | 1.15 | 1.15 | 1.11 | 1.07 | 1.07 | 1.08 | 1.06 | 1.08 | 1.06 | 1.06 | 1.08 |
| 1600 | 1.38 | 1.31 | 1.15 | 1.15 | 1.10 | 1.07 | 1.07 | 1.08 | 1.06 | 1.08 | 1.06 | 1.06 | 1.08 |
| 1700 | 1.34 | 1.30 | 1.15 | 1.14 | 1.10 | 1.07 | 1.07 | 1.09 | 1.06 | 1.08 | 1.06 | 1.06 | 1.08 |
| 1800 | 1.30 | 1.28 | 1.14 | 1.14 | 1.10 | 1.07 | 1.07 | 1.09 | 1.06 | 1.08 | 1.06 | 1.06 | 1.09 |
| 1900 | 1.27 | 1.27 | 1.14 | 1.13 | 1.09 | 1.08 | 1.07 | 1.09 | 1.06 | 1.08 | 1.07 | 1.07 | 1.09 |
| 2000 | 1.24 | 1.26 | 1.14 | 1.12 | 1.09 | 1.08 | 1.07 | 1.09 | 1.06 | 1.08 | 1.07 | 1.07 | 1.09 |
| 2200 | 1.24 | 1.26 | 1.13 | 1.11 | 1.08 | 1.07 | 1.07 | 1.08 | 1.05 | 1.08 | 1.06 | 1.06 | 1.09 |
| 2400 | 1.28 | 1.26 | 1.13 | 1.10 | 1.07 | 1.07 | 1.06 | 1.07 | 1.04 | 1.07 | 1.06 | 1.06 | 1.09 |
| 2600 | 1.31 | 1.27 | 1.14 | 1.10 | 1.06 | 1.07 | 1.06 | 1.07 | 1.03 | 1.07 | 1.05 | 1.05 | 1.09 |
| 2800 | 1.31 | 1.27 | 1.13 | 1.11 | 1.05 | 1.08 | 1.06 | 1.07 | 1.03 | 1.07 | 1.05 | 1.05 | 1.09 |
| 3000 | 1.29 | 1.25 | 1.13 | 1.11 | 1.05 | 1.08 | 1.06 | 1.07 | 1.03 | 1.07 | 1.05 | 1.05 | 1.09 |
| 3200 | 1.26 | 1.23 | 1.12 | 1.11 | 1.05 | 1.08 | 1.07 | 1.07 | 1.04 | 1.08 | 1.06 | 1.06 | 1.10 |
| 3400 | 1.23 | 1.21 | 1.10 | 1.11 | 1.05 | 1.09 | 1.08 | 1.07 | 1.04 | 1.08 | 1.06 | 1.06 | 1.10 |
| 3600 | 1.21 | 1.19 | 1.08 | 1.10 | 1.05 | 1.10 | 1.08 | 1.07 | 1.05 | 1.09 | 1.07 | 1.07 | 1.11 |
| 3800 | 1.19 | 1.16 | 1.08 | 1.10 | 1.05 | 1.10 | 1.09 | 1.08 | 1.05 | 1.09 | 1.07 | 1.07 | 1.11 |
| 4000 | 1.18 | 1.12 | 1.10 | 1.09 | 1.06 | 1.11 | 1.10 | 1.08 | 1.05 | 1.10 | 1.07 | 1.07 | 1.12 |
| 4200 | 1.18 | 1.09 | 1.11 | 1.08 | 1.06 | 1.12 | 1.11 | 1.08 | 1.06 | 1.11 | 1.08 | 1.08 | 1.13 |
| 4400 | 1.18 | 1.09 | 1.11 | 1.07 | 1.07 | 1.12 | 1.11 | 1.09 | 1.07 | 1.12 | 1.09 | 1.09 | 1.14 |
| 4600 | 1.19 | 1.10 | 1.12 | 1.07 | 1.08 | 1.13 | 1.12 | 1.10 | 1.07 | 1.12 | 1.09 | 1.09 | 1.14 |
| 4800 | 1.20 | 1.11 | 1.13 | 1.06 | 1.09 | 1.14 | 1.13 | 1.10 | 1.08 | 1.13 | 1.10 | 1.10 | 1.15 |
| 5000 | 1.21 | 1.13 | 1.16 | 1.05 | 1.11 | 1.14 | 1.14 | 1.11 | 1.09 | 1.14 | 1.11 | 1.11 | 1.16 |
| 5200 | 1.20 | 1.14 | 1.18 | 1.05 | 1.13 | 1.15 | 1.15 | 1.12 | 1.10 | 1.15 | 1.11 | 1.11 | 1.16 |
| 5400 | 1.18 | 1.13 | 1.20 | 1.06 | 1.15 | 1.16 | 1.18 | 1.13 | 1.12 | 1.18 | 1.12 | 1.13 | 1.18 |
| 5600 | 1.12 | 1.13 | 1.18 | 1.05 | 1.16 | 1.18 | 1.20 | 1.15 | 1.15 | 1.20 | 1.15 | 1.15 | 1.20 |
| 5800 | 1.11 | 1.15 | 1.18 | 1.07 | 1.18 | 1.22 | 1.24 | 1.18 | 1.19 | 1.24 | 1.18 | 1.18 | 1.23 |
| 6000 | 1.17 | 1.20 | 1.20 | 1.12 | 1.20 | 1.25 | 1.28 | 1.21 | 1.22 | 1.27 | 1.22 | 1.22 | 1.27 |
| 6200 | 1.31 | 1.30 | 1.26 | 1.18 | 1.23 | 1.29 | 1.31 | 1.24 | 1.26 | 1.31 | 1.25 | 1.25 | 1.30 |
| 6300 | 1.39 | 1.36 | 1.30 | 1.20 | 1.24 | 1.30 | 1.32 | 1.26 | 1.28 | 1.32 | 1.27 | 1.27 | 1.32 |
| 6400 | 1.49 | 1.42 | 1.35 | 1.24 | 1.26 | 1.32 | 1.34 | 1.27 | 1.30 | 1.34 | 1.29 | 1.29 | 1.34 |
| 6500 | 1.59 | 1.49 | 1.39 | 1.26 | 1.27 | 1.33 | 1.35 | 1.28 | 1.31 | 1.36 | 1.31 | 1.31 | 1.35 |
| 6600 | 1.69 | 1.55 | 1.44 | 1.29 | 1.29 | 1.35 | 1.36 | 1.30 | 1.33 | 1.37 | 1.33 | 1.33 | 1.37 |
| 6700 | 1.78 | 1.60 | 1.48 | 1.32 | 1.31 | 1.36 | 1.38 | 1.31 | 1.35 | 1.39 | 1.35 | 1.35 | 1.38 |
| 6800 | 1.84 | 1.64 | 1.52 | 1.35 | 1.32 | 1.38 | 1.39 | 1.32 | 1.37 | 1.41 | 1.36 | 1.37 | 1.40 |
| 6900 | 1.88 | 1.67 | 1.55 | 1.37 | 1.34 | 1.40 | 1.41 | 1.34 | 1.39 | 1.42 | 1.39 | 1.39 | 1.42 |
| 7000 | 1.88 | 1.68 | 1.57 | 1.39 | 1.36 | 1.41 | 1.42 | 1.35 | 1.41 | 1.44 | 1.41 | 1.41 | 1.44 |
| 7100 | 1.85 | 1.67 | 1.57 | 1.40 | 1.37 | 1.43 | 1.43 | 1.36 | 1.43 | 1.45 | 1.43 | 1.43 | 1.45 |
| 7200 | 1.79 | 1.64 | 1.56 | 1.41 | 1.38 | 1.44 | 1.44 | 1.37 | 1.44 | 1.47 | 1.45 | 1.44 | 1.47 |
| 7300 | 1.70 | 1.59 | 1.54 | 1.42 | 1.38 | 1.45 | 1.45 | 1.38 | 1.46 | 1.48 | 1.46 | 1.46 | 1.48 |
| 7400 | 1.59 | 1.53 | 1.50 | 1.41 | 1.38 | 1.46 | 1.45 | 1.39 | 1.47 | 1.49 | 1.48 | 1.48 | 1.49 |
| 7500 | 1.47 | 1.45 | 1.46 | 1.41 | 1.39 | 1.47 | 1.46 | 1.40 | 1.49 | 1.50 | 1.49 | 1.49 | 1.50 |
| 7600 | 1.35 | 1.37 | 1.41 | 1.41 | 1.39 | 1.48 | 1.46 | 1.41 | 1.50 | 1.51 | 1.51 | 1.51 | 1.52 |
| 7700 | 1.24 | 1.29 | 1.37 | 1.41 | 1.39 | 1.49 | 1.46 | 1.41 | 1.51 | 1.51 | 1.52 | 1.52 | 1.52 |
| 7800 | 1.14 | 1.20 | 1.32 | 1.41 | 1.38 | 1.49 | 1.46 | 1.42 | 1.51 | 1.51 | 1.53 | 1.53 | 1.53 |
| 7900 | 1.11 | 1.15 | 1.29 | 1.41 | 1.38 | 1.49 | 1.45 | 1.42 | 1.52 | 1.51 | 1.54 | 1.54 | 1.53 |
| 8000 | 1.12 | 1.15 | 1.27 | 1.42 | 1.37 | 1.49 | 1.45 | 1.42 | 1.52 | 1.50 | 1.54 | 1.54 | 1.53 |

Notes

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



Programmable Attenuator

RCDAT-8G-120H

Typical Performance Data @ 25°C

| Freq. (MHz) | Attenuation relative to Insertion Loss (dB) | | | | | | | | | | | | |
|----------------|--|------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| | 0.25 dB | 5 dB | 10 dB | 20 dB | 40 dB | 60 dB | 80 dB | 90 dB | 100 dB | 105 dB | 110 dB | 115 dB | 120 dB |
| 100 | 0.29 | 5.02 | 10.07 | 20.13 | 40.18 | 59.19 | 79.08 | 89.10 | 99.09 | 103.51 | 107.60 | 111.96 | 115.94 |
| 200 | 0.29 | 5.07 | 10.14 | 20.28 | 40.40 | 59.58 | 79.42 | 89.45 | 99.34 | 103.79 | 107.87 | 112.24 | 116.13 |
| 300 | 0.29 | 5.05 | 10.11 | 20.30 | 40.32 | 59.64 | 79.25 | 89.26 | 98.84 | 103.32 | 107.38 | 111.74 | 115.65 |
| 400 | 0.29 | 5.02 | 10.07 | 20.27 | 40.21 | 59.60 | 79.03 | 89.05 | 98.42 | 102.85 | 106.96 | 111.35 | 115.22 |
| 500 | 0.28 | 4.98 | 10.01 | 20.24 | 40.11 | 59.48 | 78.83 | 88.86 | 98.17 | 102.59 | 106.70 | 111.13 | 115.03 |
| 600 | 0.28 | 4.94 | 9.96 | 20.19 | 40.02 | 59.32 | 78.67 | 88.73 | 98.11 | 102.58 | 106.67 | 111.11 | 115.01 |
| 700 | 0.28 | 4.90 | 9.91 | 20.14 | 39.96 | 59.24 | 78.62 | 88.71 | 98.17 | 102.78 | 106.86 | 111.27 | 115.30 |
| 800 | 0.27 | 4.87 | 9.88 | 20.10 | 39.91 | 59.22 | 78.66 | 88.75 | 98.32 | 103.01 | 107.13 | 111.53 | 115.69 |
| 900 | 0.27 | 4.85 | 9.86 | 20.08 | 39.88 | 59.26 | 78.75 | 88.85 | 98.50 | 103.32 | 107.42 | 111.87 | 116.10 |
| 1000 | 0.27 | 4.84 | 9.87 | 20.08 | 39.88 | 59.35 | 78.90 | 89.01 | 98.72 | 103.62 | 107.72 | 112.12 | 116.52 |
| 1100 | 0.27 | 4.85 | 9.89 | 20.09 | 39.90 | 59.47 | 79.06 | 89.18 | 98.94 | 103.79 | 107.90 | 112.33 | 116.65 |
| 1200 | 0.27 | 4.87 | 9.94 | 20.12 | 39.94 | 59.57 | 79.19 | 89.32 | 99.11 | 103.87 | 107.97 | 112.48 | 116.78 |
| 1300 | 0.26 | 4.90 | 9.98 | 20.16 | 40.00 | 59.62 | 79.26 | 89.39 | 99.24 | 103.96 | 108.09 | 112.63 | 116.96 |
| 1400 | 0.26 | 4.93 | 10.03 | 20.20 | 40.06 | 59.63 | 79.30 | 89.44 | 99.32 | 104.13 | 108.26 | 112.84 | 117.15 |
| 1500 | 0.27 | 4.95 | 10.08 | 20.24 | 40.12 | 59.67 | 79.35 | 89.50 | 99.38 | 104.34 | 108.48 | 113.01 | 117.43 |
| 1600 | 0.26 | 4.97 | 10.11 | 20.27 | 40.17 | 59.74 | 79.44 | 89.59 | 99.48 | 104.54 | 108.70 | 113.26 | 117.66 |
| 1700 | 0.26 | 4.98 | 10.13 | 20.28 | 40.19 | 59.82 | 79.54 | 89.70 | 99.62 | 104.72 | 108.86 | 113.41 | 117.79 |
| 1800 | 0.26 | 4.98 | 10.14 | 20.29 | 40.21 | 59.91 | 79.65 | 89.80 | 99.76 | 104.83 | 109.02 | 113.57 | 117.91 |
| 1900 | 0.26 | 4.98 | 10.15 | 20.29 | 40.23 | 59.99 | 79.76 | 89.91 | 99.89 | 104.91 | 109.06 | 113.68 | 118.13 |
| 2000 | 0.26 | 4.98 | 10.16 | 20.28 | 40.24 | 60.05 | 79.83 | 90.00 | 99.98 | 105.01 | 109.18 | 113.80 | 118.36 |
| 2200 | 0.26 | 4.99 | 10.18 | 20.28 | 40.26 | 60.07 | 79.88 | 90.07 | 100.09 | 105.31 | 109.47 | 113.99 | 118.57 |
| 2400 | 0.26 | 5.01 | 10.22 | 20.31 | 40.32 | 60.14 | 79.99 | 90.20 | 100.24 | 105.50 | 109.67 | 114.28 | 118.94 |
| 2600 | 0.26 | 5.03 | 10.25 | 20.34 | 40.37 | 60.26 | 80.15 | 90.39 | 100.43 | 105.66 | 109.88 | 114.62 | 119.21 |
| 2800 | 0.27 | 5.04 | 10.26 | 20.35 | 40.40 | 60.34 | 80.27 | 90.54 | 100.63 | 105.90 | 110.13 | 114.91 | 119.41 |
| 3000 | 0.27 | 5.05 | 10.24 | 20.36 | 40.43 | 60.33 | 80.30 | 90.60 | 100.70 | 106.12 | 110.30 | 115.18 | 119.79 |
| 3200 | 0.27 | 5.08 | 10.23 | 20.38 | 40.48 | 60.39 | 80.40 | 90.74 | 100.88 | 106.27 | 110.60 | 115.36 | 120.19 |
| 3400 | 0.27 | 5.14 | 10.24 | 20.43 | 40.57 | 60.49 | 80.54 | 90.91 | 101.10 | 106.55 | 110.89 | 115.87 | 120.62 |
| 3600 | 0.28 | 5.21 | 10.27 | 20.52 | 40.69 | 60.52 | 80.60 | 91.03 | 101.24 | 106.73 | 111.05 | 115.91 | 121.02 |
| 3800 | 0.29 | 5.28 | 10.31 | 20.60 | 40.83 | 60.63 | 80.75 | 91.23 | 101.43 | 106.97 | 111.29 | 116.40 | 121.25 |
| 4000 | 0.30 | 5.32 | 10.33 | 20.65 | 40.93 | 60.69 | 80.86 | 91.37 | 101.64 | 107.14 | 111.52 | 116.59 | 121.64 |
| 4200 | 0.31 | 5.32 | 10.31 | 20.65 | 40.97 | 60.68 | 80.89 | 91.45 | 101.76 | 107.25 | 111.71 | 116.88 | 121.74 |
| 4400 | 0.31 | 5.28 | 10.25 | 20.60 | 40.96 | 60.65 | 80.91 | 91.51 | 101.82 | 107.33 | 111.77 | 116.93 | 122.20 |
| 4600 | 0.32 | 5.22 | 10.19 | 20.55 | 40.94 | 60.62 | 80.92 | 91.57 | 101.91 | 107.43 | 111.90 | 117.25 | 122.29 |
| 4800 | 0.32 | 5.18 | 10.14 | 20.52 | 40.95 | 60.58 | 80.92 | 91.62 | 101.94 | 107.42 | 112.01 | 117.47 | 122.32 |
| 5000 | 0.31 | 5.17 | 10.13 | 20.53 | 40.99 | 60.58 | 80.96 | 91.68 | 102.02 | 107.58 | 112.15 | 117.54 | 122.84 |
| 5200 | 0.32 | 5.19 | 10.16 | 20.58 | 41.07 | 60.66 | 81.08 | 91.79 | 102.13 | 107.78 | 112.38 | 117.72 | 122.98 |
| 5400 | 0.32 | 5.22 | 10.21 | 20.65 | 41.18 | 60.81 | 81.26 | 91.94 | 102.33 | 107.90 | 112.54 | 117.88 | 123.75 |
| 5600 | 0.33 | 5.25 | 10.26 | 20.70 | 41.29 | 60.93 | 81.40 | 92.04 | 102.39 | 107.98 | 112.57 | 118.13 | 123.87 |
| 5800 | 0.34 | 5.27 | 10.31 | 20.74 | 41.38 | 61.09 | 81.55 | 92.17 | 102.53 | 108.15 | 112.68 | 118.14 | 123.94 |
| 6000 | 0.35 | 5.28 | 10.34 | 20.72 | 41.42 | 61.15 | 81.63 | 92.14 | 102.51 | 108.26 | 112.63 | 118.10 | 123.21 |
| 6200 | 0.36 | 5.26 | 10.32 | 20.63 | 41.36 | 61.15 | 81.61 | 92.04 | 102.42 | 108.04 | 112.45 | 117.90 | 123.18 |
| 6300 | 0.36 | 5.23 | 10.28 | 20.55 | 41.28 | 61.09 | 81.54 | 91.92 | 102.24 | 107.87 | 112.21 | 117.66 | 123.04 |
| 6400 | 0.36 | 5.19 | 10.23 | 20.45 | 41.17 | 60.99 | 81.43 | 91.76 | 102.19 | 107.79 | 112.13 | 117.32 | 122.89 |
| 6500 | 0.36 | 5.13 | 10.17 | 20.34 | 41.03 | 60.88 | 81.30 | 91.57 | 102.00 | 107.66 | 112.11 | 117.11 | 122.47 |
| 6600 | 0.36 | 5.08 | 10.10 | 20.23 | 40.88 | 60.73 | 81.14 | 91.40 | 101.79 | 107.44 | 111.87 | 116.97 | 122.04 |
| 6700 | 0.35 | 5.02 | 10.03 | 20.13 | 40.73 | 60.59 | 80.98 | 91.21 | 101.67 | 107.19 | 111.55 | 116.85 | 121.66 |
| 6800 | 0.35 | 4.97 | 9.98 | 20.06 | 40.59 | 60.46 | 80.82 | 91.05 | 101.52 | 106.99 | 111.42 | 116.61 | 121.54 |
| 6900 | 0.34 | 4.94 | 9.96 | 20.03 | 40.48 | 60.36 | 80.70 | 90.86 | 101.34 | 106.93 | 111.18 | 116.40 | 121.66 |
| 7000 | 0.34 | 4.93 | 9.96 | 20.04 | 40.39 | 60.29 | 80.61 | 90.74 | 101.23 | 106.88 | 110.95 | 116.29 | 120.90 |
| 7100 | 0.33 | 4.94 | 9.99 | 20.11 | 40.35 | 60.26 | 80.56 | 90.69 | 101.19 | 106.70 | 110.89 | 116.05 | 121.32 |
| 7200 | 0.33 | 4.96 | 10.04 | 20.21 | 40.34 | 60.28 | 80.53 | 90.64 | 101.08 | 106.54 | 110.67 | 116.10 | 121.06 |
| 7300 | 0.33 | 4.99 | 10.11 | 20.35 | 40.36 | 60.31 | 80.50 | 90.63 | 101.07 | 106.48 | 110.66 | 115.82 | 121.03 |
| 7400 | 0.32 | 5.04 | 10.19 | 20.52 | 40.39 | 60.35 | 80.48 | 90.60 | 101.09 | 106.46 | 110.87 | 116.17 | 120.90 |
| 7500 | 0.33 | 5.09 | 10.27 | 20.70 | 40.43 | 60.40 | 80.48 | 90.57 | 101.08 | 106.54 | 110.79 | 116.09 | 120.58 |
| 7600 | 0.33 | 5.14 | 10.32 | 20.85 | 40.46 | 60.45 | 80.48 | 90.59 | 101.06 | 106.38 | 110.63 | 115.86 | 120.40 |
| 7700 | 0.33 | 5.18 | 10.37 | 20.99 | 40.46 | 60.44 | 80.41 | 90.53 | 100.89 | 106.12 | 110.32 | 115.62 | 119.92 |
| 7800 | 0.33 | 5.21 | 10.39 | 21.09 | 40.43 | 60.42 | 80.31 | 90.42 | 100.66 | 105.79 | 109.96 | 115.22 | 119.31 |
| 7900 | 0.34 | 5.23 | 10.38 | 21.16 | 40.36 | 60.35 | 80.15 | 90.24 | 100.33 | 105.42 | 109.65 | 114.67 | 119.04 |
| 8000 | 0.34 | 5.24 | 10.34 | 21.18 | 40.25 | 60.21 | 79.94 | 90.01 | 99.92 | 104.93 | 109.09 | 113.85 | 117.98 |

Notes

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



Programmable Attenuator

RCDAT-8G-120H

Typical Performance Data @ 25°C

| Freq. (MHz) | Attenuation relative to Insertion Loss @ Fine resolution (0.05 dB) | | | | | | | | | |
|----------------|---|---------|--------|---------|--------|---------|-------|---------|-------|---------|
| | 7.4 dB | 7.45 dB | 7.5 dB | 7.55 dB | 7.6 dB | 67.4 dB | 67.45 | 67.5 dB | 67.55 | 67.6 dB |
| 100 | 7.61 | 7.69 | 7.75 | 7.80 | 7.85 | 66.69 | 66.74 | 66.78 | 66.83 | 67.09 |
| 200 | 7.65 | 7.74 | 7.79 | 7.84 | 7.90 | 67.09 | 67.13 | 67.18 | 67.22 | 67.45 |
| 300 | 7.62 | 7.71 | 7.77 | 7.82 | 7.87 | 67.15 | 67.19 | 67.24 | 67.28 | 67.29 |
| 400 | 7.58 | 7.67 | 7.72 | 7.78 | 7.83 | 67.11 | 67.16 | 67.20 | 67.25 | 67.08 |
| 500 | 7.54 | 7.63 | 7.68 | 7.73 | 7.78 | 66.99 | 67.03 | 67.08 | 67.13 | 66.88 |
| 600 | 7.49 | 7.58 | 7.63 | 7.68 | 7.74 | 66.84 | 66.88 | 66.93 | 66.97 | 66.71 |
| 700 | 7.45 | 7.54 | 7.59 | 7.65 | 7.70 | 66.75 | 66.80 | 66.85 | 66.89 | 66.65 |
| 800 | 7.42 | 7.51 | 7.56 | 7.62 | 7.67 | 66.74 | 66.79 | 66.83 | 66.88 | 66.67 |
| 900 | 7.41 | 7.50 | 7.56 | 7.61 | 7.66 | 66.78 | 66.83 | 66.88 | 66.93 | 66.75 |
| 1000 | 7.42 | 7.51 | 7.56 | 7.62 | 7.67 | 66.88 | 66.94 | 66.98 | 67.04 | 66.89 |
| 1100 | 7.44 | 7.53 | 7.59 | 7.64 | 7.69 | 67.00 | 67.06 | 67.11 | 67.16 | 67.03 |
| 1200 | 7.48 | 7.57 | 7.62 | 7.68 | 7.73 | 67.11 | 67.16 | 67.21 | 67.27 | 67.15 |
| 1300 | 7.52 | 7.61 | 7.67 | 7.72 | 7.77 | 67.15 | 67.21 | 67.26 | 67.32 | 67.21 |
| 1400 | 7.56 | 7.65 | 7.71 | 7.76 | 7.81 | 67.17 | 67.23 | 67.29 | 67.34 | 67.23 |
| 1500 | 7.60 | 7.68 | 7.74 | 7.79 | 7.84 | 67.21 | 67.27 | 67.33 | 67.38 | 67.26 |
| 1600 | 7.62 | 7.70 | 7.76 | 7.81 | 7.86 | 67.29 | 67.35 | 67.40 | 67.46 | 67.33 |
| 1700 | 7.64 | 7.72 | 7.77 | 7.83 | 7.88 | 67.37 | 67.44 | 67.49 | 67.55 | 67.41 |
| 1800 | 7.64 | 7.72 | 7.78 | 7.83 | 7.89 | 67.47 | 67.53 | 67.59 | 67.64 | 67.49 |
| 1900 | 7.65 | 7.72 | 7.78 | 7.84 | 7.89 | 67.56 | 67.62 | 67.68 | 67.74 | 67.58 |
| 2000 | 7.65 | 7.72 | 7.78 | 7.84 | 7.89 | 67.62 | 67.68 | 67.74 | 67.80 | 67.63 |
| 2200 | 7.68 | 7.74 | 7.80 | 7.86 | 7.91 | 67.66 | 67.72 | 67.77 | 67.83 | 67.64 |
| 2400 | 7.72 | 7.78 | 7.84 | 7.90 | 7.95 | 67.74 | 67.80 | 67.86 | 67.92 | 67.71 |
| 2600 | 7.75 | 7.81 | 7.87 | 7.93 | 7.98 | 67.88 | 67.94 | 67.99 | 68.05 | 67.84 |
| 2800 | 7.75 | 7.81 | 7.86 | 7.92 | 7.98 | 67.98 | 68.04 | 68.09 | 68.15 | 67.93 |
| 3000 | 7.71 | 7.77 | 7.83 | 7.88 | 7.94 | 67.99 | 68.05 | 68.10 | 68.16 | 67.92 |
| 3200 | 7.66 | 7.72 | 7.78 | 7.84 | 7.89 | 68.07 | 68.13 | 68.18 | 68.24 | 68.00 |
| 3400 | 7.61 | 7.69 | 7.74 | 7.80 | 7.85 | 68.20 | 68.26 | 68.31 | 68.37 | 68.11 |
| 3600 | 7.59 | 7.67 | 7.73 | 7.78 | 7.83 | 68.25 | 68.31 | 68.37 | 68.43 | 68.16 |
| 3800 | 7.59 | 7.68 | 7.73 | 7.79 | 7.84 | 68.40 | 68.46 | 68.52 | 68.58 | 68.30 |
| 4000 | 7.59 | 7.68 | 7.74 | 7.79 | 7.85 | 68.51 | 68.57 | 68.63 | 68.69 | 68.39 |
| 4200 | 7.59 | 7.67 | 7.73 | 7.79 | 7.85 | 68.55 | 68.61 | 68.67 | 68.73 | 68.42 |
| 4400 | 7.58 | 7.65 | 7.71 | 7.77 | 7.83 | 68.57 | 68.63 | 68.70 | 68.77 | 68.43 |
| 4600 | 7.56 | 7.61 | 7.68 | 7.74 | 7.81 | 68.58 | 68.65 | 68.72 | 68.79 | 68.44 |
| 4800 | 7.55 | 7.59 | 7.66 | 7.73 | 7.80 | 68.59 | 68.66 | 68.73 | 68.81 | 68.43 |
| 5000 | 7.57 | 7.58 | 7.66 | 7.74 | 7.81 | 68.63 | 68.71 | 68.78 | 68.86 | 68.47 |
| 5200 | 7.61 | 7.61 | 7.69 | 7.77 | 7.85 | 68.75 | 68.83 | 68.91 | 68.99 | 68.57 |
| 5400 | 7.66 | 7.65 | 7.74 | 7.82 | 7.90 | 68.92 | 69.00 | 69.09 | 69.17 | 68.71 |
| 5600 | 7.72 | 7.70 | 7.79 | 7.87 | 7.96 | 69.06 | 69.14 | 69.23 | 69.32 | 68.82 |
| 5800 | 7.77 | 7.74 | 7.83 | 7.92 | 8.01 | 69.22 | 69.31 | 69.39 | 69.49 | 68.94 |
| 6000 | 7.81 | 7.77 | 7.86 | 7.95 | 8.04 | 69.30 | 69.39 | 69.47 | 69.56 | 68.95 |
| 6200 | 7.81 | 7.76 | 7.85 | 7.94 | 8.03 | 69.31 | 69.39 | 69.48 | 69.56 | 68.89 |
| 6300 | 7.78 | 7.73 | 7.82 | 7.92 | 8.00 | 69.25 | 69.33 | 69.42 | 69.50 | 68.79 |
| 6400 | 7.75 | 7.70 | 7.79 | 7.88 | 7.96 | 69.16 | 69.24 | 69.32 | 69.41 | 68.65 |
| 6500 | 7.70 | 7.65 | 7.74 | 7.83 | 7.91 | 69.06 | 69.14 | 69.21 | 69.30 | 68.50 |
| 6600 | 7.66 | 7.61 | 7.69 | 7.78 | 7.86 | 68.92 | 69.00 | 69.07 | 69.16 | 68.31 |
| 6700 | 7.62 | 7.56 | 7.65 | 7.73 | 7.81 | 68.78 | 68.86 | 68.94 | 69.02 | 68.12 |
| 6800 | 7.58 | 7.53 | 7.61 | 7.70 | 7.78 | 68.66 | 68.74 | 68.82 | 68.89 | 67.95 |
| 6900 | 7.57 | 7.52 | 7.60 | 7.68 | 7.76 | 68.56 | 68.64 | 68.71 | 68.79 | 67.82 |
| 7000 | 7.58 | 7.53 | 7.61 | 7.68 | 7.76 | 68.50 | 68.58 | 68.65 | 68.73 | 67.71 |
| 7100 | 7.60 | 7.56 | 7.63 | 7.71 | 7.79 | 68.47 | 68.55 | 68.62 | 68.70 | 67.64 |
| 7200 | 7.65 | 7.60 | 7.68 | 7.76 | 7.83 | 68.48 | 68.56 | 68.63 | 68.71 | 67.62 |
| 7300 | 7.71 | 7.66 | 7.73 | 7.81 | 7.89 | 68.50 | 68.58 | 68.65 | 68.73 | 67.61 |
| 7400 | 7.76 | 7.72 | 7.79 | 7.87 | 7.94 | 68.53 | 68.61 | 68.68 | 68.76 | 67.61 |
| 7500 | 7.82 | 7.77 | 7.85 | 7.93 | 8.00 | 68.56 | 68.63 | 68.70 | 68.79 | 67.63 |
| 7600 | 7.86 | 7.81 | 7.89 | 7.96 | 8.04 | 68.59 | 68.66 | 68.74 | 68.82 | 67.66 |
| 7700 | 7.88 | 7.83 | 7.91 | 7.99 | 8.07 | 68.56 | 68.63 | 68.71 | 68.79 | 67.63 |
| 7800 | 7.88 | 7.82 | 7.91 | 7.99 | 8.07 | 68.49 | 68.57 | 68.65 | 68.73 | 67.59 |
| 7900 | 7.86 | 7.80 | 7.88 | 7.97 | 8.05 | 68.38 | 68.46 | 68.54 | 68.62 | 67.50 |
| 8000 | 7.81 | 7.74 | 7.83 | 7.92 | 8.00 | 68.19 | 68.28 | 68.36 | 68.44 | 67.36 |

Notes

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



Programmable Attenuator

RCDAT-8G-120H

Typical Performance Data @ 25°C

| Freq. (MHz) | Attenuation relative to Insertion Loss @ Fine resolution (0.05 dB) | | | | |
|-------------|--|--------|--------|--------|--------|
| | 100.4 | 100.45 | 100.5 | 100.55 | 100.6 |
| 100 | 99.67 | 99.74 | 99.76 | 99.91 | 99.95 |
| 200 | 99.92 | 99.98 | 100.02 | 100.13 | 100.18 |
| 300 | 99.43 | 99.47 | 99.52 | 99.63 | 99.68 |
| 400 | 99.00 | 99.04 | 99.09 | 99.20 | 99.25 |
| 500 | 98.77 | 98.82 | 98.86 | 98.98 | 99.02 |
| 600 | 98.69 | 98.74 | 98.79 | 98.90 | 98.96 |
| 700 | 98.76 | 98.81 | 98.87 | 98.96 | 99.03 |
| 800 | 98.92 | 98.96 | 98.99 | 99.11 | 99.16 |
| 900 | 99.10 | 99.14 | 99.18 | 99.29 | 99.36 |
| 1000 | 99.34 | 99.38 | 99.44 | 99.54 | 99.60 |
| 1100 | 99.54 | 99.61 | 99.64 | 99.74 | 99.81 |
| 1200 | 99.72 | 99.78 | 99.82 | 99.92 | 99.98 |
| 1300 | 99.84 | 99.89 | 99.94 | 100.04 | 100.08 |
| 1400 | 99.91 | 99.96 | 100.02 | 100.10 | 100.16 |
| 1500 | 99.99 | 100.05 | 100.10 | 100.19 | 100.23 |
| 1600 | 100.12 | 100.15 | 100.21 | 100.30 | 100.35 |
| 1700 | 100.23 | 100.28 | 100.33 | 100.43 | 100.48 |
| 1800 | 100.37 | 100.41 | 100.48 | 100.57 | 100.62 |
| 1900 | 100.49 | 100.56 | 100.62 | 100.70 | 100.75 |
| 2000 | 100.58 | 100.65 | 100.70 | 100.79 | 100.84 |
| 2200 | 100.71 | 100.76 | 100.82 | 100.88 | 100.96 |
| 2400 | 100.87 | 100.92 | 100.95 | 101.04 | 101.10 |
| 2600 | 101.07 | 101.11 | 101.19 | 101.26 | 101.34 |
| 2800 | 101.26 | 101.32 | 101.36 | 101.44 | 101.51 |
| 3000 | 101.35 | 101.42 | 101.46 | 101.54 | 101.62 |
| 3200 | 101.52 | 101.57 | 101.63 | 101.71 | 101.78 |
| 3400 | 101.73 | 101.79 | 101.87 | 101.94 | 102.00 |
| 3600 | 101.89 | 101.94 | 101.96 | 102.09 | 102.16 |
| 3800 | 102.11 | 102.17 | 102.21 | 102.32 | 102.38 |
| 4000 | 102.31 | 102.34 | 102.42 | 102.53 | 102.59 |
| 4200 | 102.45 | 102.52 | 102.53 | 102.64 | 102.73 |
| 4400 | 102.52 | 102.57 | 102.62 | 102.74 | 102.78 |
| 4600 | 102.59 | 102.63 | 102.73 | 102.82 | 102.91 |
| 4800 | 102.69 | 102.75 | 102.78 | 102.92 | 102.99 |
| 5000 | 102.75 | 102.83 | 102.88 | 103.01 | 103.05 |
| 5200 | 102.88 | 102.95 | 103.02 | 103.07 | 103.20 |
| 5400 | 103.06 | 103.10 | 103.22 | 103.28 | 103.35 |
| 5600 | 103.13 | 103.25 | 103.32 | 103.40 | 103.45 |
| 5800 | 103.27 | 103.36 | 103.45 | 103.51 | 103.62 |
| 6000 | 103.28 | 103.35 | 103.42 | 103.52 | 103.57 |
| 6200 | 103.12 | 103.22 | 103.28 | 103.38 | 103.47 |
| 6300 | 102.99 | 103.13 | 103.22 | 103.22 | 103.35 |
| 6400 | 102.90 | 103.01 | 103.08 | 103.22 | 103.29 |
| 6500 | 102.78 | 102.81 | 102.94 | 103.02 | 103.10 |
| 6600 | 102.55 | 102.62 | 102.76 | 102.83 | 102.87 |
| 6700 | 102.35 | 102.42 | 102.53 | 102.66 | 102.70 |
| 6800 | 102.25 | 102.27 | 102.41 | 102.49 | 102.54 |
| 6900 | 102.06 | 102.15 | 102.27 | 102.31 | 102.37 |
| 7000 | 101.97 | 102.06 | 102.12 | 102.22 | 102.28 |
| 7100 | 101.88 | 101.99 | 102.01 | 102.19 | 102.25 |
| 7200 | 101.76 | 101.83 | 101.93 | 102.03 | 102.12 |
| 7300 | 101.76 | 101.80 | 101.93 | 102.06 | 102.12 |
| 7400 | 101.84 | 101.83 | 101.95 | 102.11 | 102.16 |
| 7500 | 101.82 | 101.86 | 101.94 | 102.09 | 102.18 |
| 7600 | 101.81 | 101.84 | 101.95 | 102.03 | 102.14 |
| 7700 | 101.63 | 101.69 | 101.76 | 101.80 | 101.91 |
| 7800 | 101.42 | 101.50 | 101.55 | 101.61 | 101.70 |
| 7900 | 101.07 | 101.15 | 101.23 | 101.33 | 101.38 |
| 8000 | 100.70 | 100.76 | 100.85 | 100.92 | 100.96 |

| Freq. (MHz) | I. Loss (dB) |
|-------------|--------------|
| 100 | 4.26 |
| 200 | 4.00 |
| 300 | 4.08 |
| 400 | 4.20 |
| 500 | 4.33 |
| 600 | 4.49 |
| 700 | 4.63 |
| 800 | 4.77 |
| 900 | 4.89 |
| 1000 | 4.99 |
| 1100 | 5.07 |
| 1200 | 5.13 |
| 1300 | 5.18 |
| 1400 | 5.22 |
| 1500 | 5.28 |
| 1600 | 5.35 |
| 1700 | 5.44 |
| 1800 | 5.55 |
| 1900 | 5.68 |
| 2000 | 5.81 |
| 2200 | 5.96 |
| 2400 | 6.02 |
| 2600 | 6.13 |
| 2800 | 6.28 |
| 3000 | 6.48 |
| 3200 | 6.68 |
| 3400 | 6.85 |
| 3600 | 7.00 |
| 3800 | 7.16 |
| 4000 | 7.35 |
| 4200 | 7.59 |
| 4400 | 7.88 |
| 4600 | 8.18 |
| 4800 | 8.45 |
| 5000 | 8.68 |
| 5200 | 8.86 |
| 5400 | 9.04 |
| 5600 | 9.21 |
| 5800 | 9.43 |
| 6000 | 9.73 |
| 6200 | 10.14 |
| 6300 | 10.39 |
| 6400 | 10.68 |
| 6500 | 10.98 |
| 6600 | 11.30 |
| 6700 | 11.61 |
| 6800 | 11.90 |
| 6900 | 12.14 |
| 7000 | 12.34 |
| 7100 | 12.48 |
| 7200 | 12.57 |
| 7300 | 12.62 |
| 7400 | 12.64 |
| 7500 | 12.64 |
| 7600 | 12.63 |
| 7700 | 12.64 |
| 7800 | 12.67 |
| 7900 | 12.74 |
| 8000 | 12.85 |

Notes

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



Programmable Attenuator

RCDAT-8G-120H

Typical Performance Data @ 25°C

| Freq. (MHz) | Input VSWR (:1) | | | | | | | | | | | | |
|----------------|--------------------|------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| | 0.25 dB | 5 dB | 10 dB | 20 dB | 40 dB | 60 dB | 80 dB | 90 dB | 100 dB | 105 dB | 110 dB | 115 dB | 120 dB |
| 100 | 2.06 | 1.66 | 1.33 | 1.41 | 1.23 | 1.20 | 1.19 | 1.26 | 1.22 | 1.20 | 1.22 | 1.22 | 1.20 |
| 200 | 1.66 | 1.45 | 1.18 | 1.31 | 1.11 | 1.08 | 1.07 | 1.16 | 1.10 | 1.08 | 1.10 | 1.10 | 1.08 |
| 300 | 1.52 | 1.39 | 1.14 | 1.29 | 1.08 | 1.04 | 1.03 | 1.14 | 1.07 | 1.05 | 1.07 | 1.07 | 1.05 |
| 400 | 1.41 | 1.34 | 1.11 | 1.29 | 1.07 | 1.03 | 1.01 | 1.14 | 1.07 | 1.03 | 1.07 | 1.07 | 1.03 |
| 500 | 1.31 | 1.30 | 1.10 | 1.28 | 1.07 | 1.03 | 1.00 | 1.14 | 1.07 | 1.03 | 1.07 | 1.07 | 1.03 |
| 600 | 1.21 | 1.27 | 1.08 | 1.27 | 1.07 | 1.04 | 1.02 | 1.14 | 1.07 | 1.04 | 1.07 | 1.07 | 1.04 |
| 700 | 1.14 | 1.25 | 1.07 | 1.27 | 1.08 | 1.04 | 1.03 | 1.14 | 1.07 | 1.04 | 1.07 | 1.07 | 1.04 |
| 800 | 1.12 | 1.24 | 1.06 | 1.27 | 1.08 | 1.05 | 1.04 | 1.14 | 1.07 | 1.05 | 1.07 | 1.07 | 1.05 |
| 900 | 1.17 | 1.25 | 1.05 | 1.26 | 1.08 | 1.06 | 1.04 | 1.14 | 1.07 | 1.06 | 1.07 | 1.07 | 1.06 |
| 1000 | 1.24 | 1.26 | 1.05 | 1.26 | 1.08 | 1.06 | 1.05 | 1.13 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 |
| 1100 | 1.31 | 1.28 | 1.05 | 1.25 | 1.08 | 1.07 | 1.06 | 1.13 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 |
| 1200 | 1.37 | 1.30 | 1.06 | 1.25 | 1.08 | 1.08 | 1.06 | 1.13 | 1.07 | 1.08 | 1.07 | 1.07 | 1.08 |
| 1300 | 1.40 | 1.31 | 1.06 | 1.24 | 1.07 | 1.08 | 1.07 | 1.12 | 1.06 | 1.09 | 1.06 | 1.07 | 1.09 |
| 1400 | 1.41 | 1.31 | 1.06 | 1.24 | 1.07 | 1.09 | 1.07 | 1.12 | 1.06 | 1.09 | 1.06 | 1.06 | 1.09 |
| 1500 | 1.39 | 1.30 | 1.05 | 1.23 | 1.07 | 1.09 | 1.08 | 1.11 | 1.06 | 1.10 | 1.06 | 1.06 | 1.10 |
| 1600 | 1.35 | 1.28 | 1.05 | 1.22 | 1.07 | 1.10 | 1.08 | 1.11 | 1.06 | 1.10 | 1.06 | 1.06 | 1.10 |
| 1700 | 1.29 | 1.25 | 1.05 | 1.21 | 1.07 | 1.10 | 1.08 | 1.11 | 1.06 | 1.10 | 1.06 | 1.06 | 1.10 |
| 1800 | 1.23 | 1.23 | 1.04 | 1.21 | 1.07 | 1.10 | 1.09 | 1.10 | 1.06 | 1.11 | 1.06 | 1.06 | 1.11 |
| 1900 | 1.17 | 1.21 | 1.04 | 1.20 | 1.06 | 1.10 | 1.09 | 1.10 | 1.06 | 1.11 | 1.06 | 1.06 | 1.11 |
| 2000 | 1.12 | 1.19 | 1.04 | 1.20 | 1.06 | 1.10 | 1.09 | 1.10 | 1.06 | 1.11 | 1.06 | 1.06 | 1.11 |
| 2200 | 1.11 | 1.18 | 1.03 | 1.19 | 1.05 | 1.10 | 1.08 | 1.09 | 1.05 | 1.10 | 1.05 | 1.05 | 1.10 |
| 2400 | 1.16 | 1.19 | 1.03 | 1.18 | 1.04 | 1.09 | 1.08 | 1.09 | 1.04 | 1.10 | 1.04 | 1.04 | 1.10 |
| 2600 | 1.20 | 1.20 | 1.03 | 1.17 | 1.04 | 1.09 | 1.08 | 1.08 | 1.04 | 1.10 | 1.04 | 1.04 | 1.10 |
| 2800 | 1.21 | 1.20 | 1.03 | 1.16 | 1.03 | 1.10 | 1.08 | 1.08 | 1.03 | 1.10 | 1.03 | 1.03 | 1.10 |
| 3000 | 1.21 | 1.19 | 1.03 | 1.15 | 1.03 | 1.10 | 1.08 | 1.07 | 1.03 | 1.10 | 1.03 | 1.03 | 1.10 |
| 3200 | 1.23 | 1.18 | 1.03 | 1.14 | 1.03 | 1.10 | 1.09 | 1.07 | 1.04 | 1.11 | 1.04 | 1.04 | 1.11 |
| 3400 | 1.27 | 1.17 | 1.02 | 1.13 | 1.03 | 1.11 | 1.10 | 1.07 | 1.04 | 1.11 | 1.04 | 1.04 | 1.11 |
| 3600 | 1.29 | 1.16 | 1.00 | 1.11 | 1.04 | 1.12 | 1.11 | 1.08 | 1.05 | 1.12 | 1.05 | 1.05 | 1.12 |
| 3800 | 1.28 | 1.13 | 1.03 | 1.10 | 1.05 | 1.14 | 1.13 | 1.08 | 1.06 | 1.14 | 1.06 | 1.06 | 1.14 |
| 4000 | 1.24 | 1.09 | 1.07 | 1.08 | 1.06 | 1.15 | 1.15 | 1.09 | 1.07 | 1.16 | 1.07 | 1.07 | 1.16 |
| 4200 | 1.21 | 1.05 | 1.12 | 1.07 | 1.08 | 1.17 | 1.17 | 1.10 | 1.08 | 1.17 | 1.08 | 1.08 | 1.18 |
| 4400 | 1.22 | 1.05 | 1.17 | 1.07 | 1.10 | 1.19 | 1.19 | 1.11 | 1.10 | 1.19 | 1.10 | 1.10 | 1.19 |
| 4600 | 1.25 | 1.08 | 1.20 | 1.07 | 1.11 | 1.21 | 1.21 | 1.13 | 1.12 | 1.22 | 1.12 | 1.12 | 1.22 |
| 4800 | 1.27 | 1.10 | 1.22 | 1.08 | 1.13 | 1.24 | 1.24 | 1.14 | 1.14 | 1.24 | 1.14 | 1.14 | 1.24 |
| 5000 | 1.26 | 1.11 | 1.23 | 1.08 | 1.15 | 1.26 | 1.26 | 1.16 | 1.16 | 1.26 | 1.16 | 1.16 | 1.26 |
| 5200 | 1.21 | 1.08 | 1.23 | 1.08 | 1.17 | 1.28 | 1.29 | 1.18 | 1.18 | 1.29 | 1.18 | 1.18 | 1.29 |
| 5400 | 1.12 | 1.07 | 1.23 | 1.08 | 1.19 | 1.30 | 1.31 | 1.20 | 1.21 | 1.31 | 1.21 | 1.21 | 1.31 |
| 5600 | 1.04 | 1.09 | 1.24 | 1.09 | 1.22 | 1.33 | 1.33 | 1.22 | 1.23 | 1.33 | 1.23 | 1.23 | 1.33 |
| 5800 | 1.09 | 1.15 | 1.25 | 1.11 | 1.24 | 1.35 | 1.35 | 1.24 | 1.26 | 1.35 | 1.26 | 1.26 | 1.35 |
| 6000 | 1.20 | 1.22 | 1.28 | 1.14 | 1.27 | 1.37 | 1.37 | 1.26 | 1.28 | 1.38 | 1.28 | 1.28 | 1.38 |
| 6200 | 1.35 | 1.31 | 1.34 | 1.18 | 1.31 | 1.39 | 1.39 | 1.28 | 1.31 | 1.40 | 1.31 | 1.31 | 1.40 |
| 6300 | 1.44 | 1.36 | 1.38 | 1.20 | 1.32 | 1.40 | 1.40 | 1.29 | 1.33 | 1.41 | 1.32 | 1.32 | 1.41 |
| 6400 | 1.53 | 1.41 | 1.42 | 1.22 | 1.34 | 1.41 | 1.41 | 1.29 | 1.34 | 1.42 | 1.34 | 1.34 | 1.42 |
| 6500 | 1.62 | 1.47 | 1.46 | 1.24 | 1.36 | 1.42 | 1.41 | 1.30 | 1.35 | 1.43 | 1.35 | 1.35 | 1.43 |
| 6600 | 1.71 | 1.51 | 1.50 | 1.26 | 1.38 | 1.43 | 1.42 | 1.31 | 1.37 | 1.44 | 1.37 | 1.37 | 1.44 |
| 6700 | 1.77 | 1.55 | 1.53 | 1.28 | 1.39 | 1.44 | 1.43 | 1.31 | 1.38 | 1.45 | 1.38 | 1.38 | 1.45 |
| 6800 | 1.82 | 1.58 | 1.56 | 1.30 | 1.41 | 1.45 | 1.43 | 1.32 | 1.39 | 1.46 | 1.39 | 1.39 | 1.46 |
| 6900 | 1.84 | 1.59 | 1.58 | 1.32 | 1.42 | 1.46 | 1.44 | 1.32 | 1.41 | 1.47 | 1.41 | 1.41 | 1.47 |
| 7000 | 1.82 | 1.59 | 1.59 | 1.33 | 1.44 | 1.47 | 1.44 | 1.32 | 1.42 | 1.47 | 1.42 | 1.42 | 1.47 |
| 7100 | 1.78 | 1.57 | 1.58 | 1.34 | 1.45 | 1.48 | 1.44 | 1.32 | 1.43 | 1.48 | 1.43 | 1.43 | 1.48 |
| 7200 | 1.71 | 1.54 | 1.57 | 1.35 | 1.46 | 1.48 | 1.44 | 1.33 | 1.44 | 1.49 | 1.44 | 1.44 | 1.49 |
| 7300 | 1.62 | 1.50 | 1.55 | 1.36 | 1.47 | 1.49 | 1.44 | 1.33 | 1.45 | 1.49 | 1.46 | 1.46 | 1.49 |
| 7400 | 1.52 | 1.45 | 1.52 | 1.36 | 1.48 | 1.49 | 1.44 | 1.32 | 1.46 | 1.49 | 1.46 | 1.46 | 1.49 |
| 7500 | 1.41 | 1.39 | 1.48 | 1.36 | 1.48 | 1.49 | 1.43 | 1.32 | 1.47 | 1.50 | 1.47 | 1.47 | 1.50 |
| 7600 | 1.30 | 1.33 | 1.44 | 1.37 | 1.48 | 1.49 | 1.43 | 1.32 | 1.48 | 1.49 | 1.48 | 1.48 | 1.50 |
| 7700 | 1.21 | 1.28 | 1.41 | 1.37 | 1.48 | 1.49 | 1.42 | 1.31 | 1.48 | 1.49 | 1.48 | 1.48 | 1.49 |
| 7800 | 1.13 | 1.24 | 1.37 | 1.38 | 1.48 | 1.49 | 1.41 | 1.31 | 1.49 | 1.49 | 1.49 | 1.49 | 1.49 |
| 7900 | 1.10 | 1.21 | 1.34 | 1.38 | 1.48 | 1.48 | 1.40 | 1.30 | 1.49 | 1.48 | 1.49 | 1.49 | 1.48 |
| 8000 | 1.12 | 1.19 | 1.31 | 1.39 | 1.47 | 1.47 | 1.38 | 1.30 | 1.49 | 1.47 | 1.49 | 1.49 | 1.48 |

Notes

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



Programmable Attenuator

RCDAT-8G-120H

Typical Performance Data @ 25°C

| Freq. (MHz) | Output VSWR (:1) | | | | | | | | | | | | |
|----------------|---------------------|------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| | 0.25 dB | 5 dB | 10 dB | 20 dB | 40 dB | 60 dB | 80 dB | 90 dB | 100 dB | 105 dB | 110 dB | 115 dB | 120 dB |
| 100 | 2.06 | 1.67 | 1.38 | 1.35 | 1.27 | 1.21 | 1.20 | 1.23 | 1.22 | 1.21 | 1.21 | 1.21 | 1.20 |
| 200 | 1.66 | 1.42 | 1.22 | 1.23 | 1.16 | 1.09 | 1.08 | 1.12 | 1.10 | 1.09 | 1.09 | 1.09 | 1.08 |
| 300 | 1.52 | 1.35 | 1.18 | 1.20 | 1.14 | 1.06 | 1.05 | 1.09 | 1.07 | 1.06 | 1.06 | 1.06 | 1.05 |
| 400 | 1.40 | 1.30 | 1.15 | 1.18 | 1.14 | 1.05 | 1.04 | 1.09 | 1.07 | 1.05 | 1.05 | 1.05 | 1.03 |
| 500 | 1.29 | 1.25 | 1.13 | 1.17 | 1.13 | 1.04 | 1.04 | 1.08 | 1.07 | 1.05 | 1.05 | 1.05 | 1.03 |
| 600 | 1.18 | 1.21 | 1.12 | 1.17 | 1.13 | 1.04 | 1.04 | 1.08 | 1.07 | 1.05 | 1.05 | 1.05 | 1.03 |
| 700 | 1.09 | 1.19 | 1.11 | 1.16 | 1.13 | 1.05 | 1.05 | 1.08 | 1.07 | 1.06 | 1.05 | 1.05 | 1.04 |
| 800 | 1.08 | 1.20 | 1.11 | 1.16 | 1.13 | 1.05 | 1.05 | 1.09 | 1.07 | 1.06 | 1.05 | 1.05 | 1.04 |
| 900 | 1.15 | 1.21 | 1.11 | 1.16 | 1.13 | 1.05 | 1.06 | 1.09 | 1.07 | 1.06 | 1.05 | 1.05 | 1.05 |
| 1000 | 1.23 | 1.24 | 1.12 | 1.16 | 1.13 | 1.06 | 1.06 | 1.09 | 1.07 | 1.07 | 1.05 | 1.05 | 1.05 |
| 1100 | 1.31 | 1.27 | 1.13 | 1.17 | 1.12 | 1.06 | 1.06 | 1.09 | 1.07 | 1.07 | 1.06 | 1.06 | 1.06 |
| 1200 | 1.37 | 1.30 | 1.14 | 1.17 | 1.12 | 1.07 | 1.06 | 1.09 | 1.07 | 1.07 | 1.06 | 1.06 | 1.07 |
| 1300 | 1.40 | 1.31 | 1.15 | 1.17 | 1.12 | 1.07 | 1.07 | 1.09 | 1.07 | 1.08 | 1.06 | 1.06 | 1.07 |
| 1400 | 1.41 | 1.32 | 1.15 | 1.16 | 1.12 | 1.07 | 1.07 | 1.09 | 1.06 | 1.08 | 1.06 | 1.06 | 1.07 |
| 1500 | 1.41 | 1.32 | 1.16 | 1.16 | 1.11 | 1.07 | 1.07 | 1.09 | 1.06 | 1.08 | 1.06 | 1.06 | 1.08 |
| 1600 | 1.38 | 1.31 | 1.15 | 1.15 | 1.11 | 1.07 | 1.07 | 1.09 | 1.06 | 1.08 | 1.06 | 1.06 | 1.08 |
| 1700 | 1.34 | 1.30 | 1.15 | 1.15 | 1.10 | 1.07 | 1.07 | 1.09 | 1.06 | 1.08 | 1.06 | 1.06 | 1.08 |
| 1800 | 1.30 | 1.28 | 1.15 | 1.14 | 1.10 | 1.08 | 1.07 | 1.08 | 1.06 | 1.08 | 1.06 | 1.06 | 1.09 |
| 1900 | 1.27 | 1.27 | 1.14 | 1.13 | 1.10 | 1.07 | 1.07 | 1.08 | 1.06 | 1.08 | 1.06 | 1.06 | 1.09 |
| 2000 | 1.24 | 1.27 | 1.14 | 1.13 | 1.09 | 1.07 | 1.07 | 1.08 | 1.05 | 1.08 | 1.06 | 1.06 | 1.09 |
| 2200 | 1.25 | 1.27 | 1.14 | 1.11 | 1.08 | 1.07 | 1.06 | 1.08 | 1.04 | 1.07 | 1.05 | 1.05 | 1.08 |
| 2400 | 1.29 | 1.28 | 1.14 | 1.11 | 1.07 | 1.06 | 1.05 | 1.07 | 1.04 | 1.07 | 1.05 | 1.05 | 1.08 |
| 2600 | 1.32 | 1.29 | 1.14 | 1.11 | 1.06 | 1.06 | 1.05 | 1.07 | 1.03 | 1.06 | 1.05 | 1.05 | 1.08 |
| 2800 | 1.32 | 1.29 | 1.13 | 1.12 | 1.06 | 1.07 | 1.05 | 1.07 | 1.03 | 1.06 | 1.05 | 1.05 | 1.08 |
| 3000 | 1.30 | 1.27 | 1.13 | 1.12 | 1.05 | 1.07 | 1.05 | 1.07 | 1.03 | 1.06 | 1.05 | 1.05 | 1.09 |
| 3200 | 1.27 | 1.25 | 1.11 | 1.12 | 1.05 | 1.08 | 1.06 | 1.07 | 1.03 | 1.07 | 1.05 | 1.05 | 1.09 |
| 3400 | 1.24 | 1.22 | 1.09 | 1.12 | 1.05 | 1.08 | 1.07 | 1.07 | 1.04 | 1.07 | 1.06 | 1.06 | 1.09 |
| 3600 | 1.21 | 1.19 | 1.07 | 1.11 | 1.05 | 1.09 | 1.07 | 1.08 | 1.04 | 1.08 | 1.06 | 1.06 | 1.10 |
| 3800 | 1.19 | 1.16 | 1.08 | 1.10 | 1.06 | 1.10 | 1.08 | 1.08 | 1.05 | 1.08 | 1.07 | 1.07 | 1.11 |
| 4000 | 1.18 | 1.12 | 1.09 | 1.09 | 1.06 | 1.10 | 1.09 | 1.08 | 1.05 | 1.09 | 1.07 | 1.07 | 1.11 |
| 4200 | 1.17 | 1.08 | 1.11 | 1.08 | 1.07 | 1.11 | 1.10 | 1.09 | 1.06 | 1.10 | 1.08 | 1.08 | 1.12 |
| 4400 | 1.17 | 1.07 | 1.12 | 1.08 | 1.08 | 1.12 | 1.11 | 1.09 | 1.06 | 1.11 | 1.08 | 1.08 | 1.13 |
| 4600 | 1.18 | 1.09 | 1.13 | 1.07 | 1.09 | 1.13 | 1.12 | 1.10 | 1.07 | 1.12 | 1.09 | 1.09 | 1.14 |
| 4800 | 1.21 | 1.12 | 1.15 | 1.07 | 1.10 | 1.14 | 1.14 | 1.11 | 1.09 | 1.14 | 1.10 | 1.10 | 1.15 |
| 5000 | 1.22 | 1.14 | 1.18 | 1.06 | 1.12 | 1.15 | 1.15 | 1.11 | 1.10 | 1.15 | 1.11 | 1.11 | 1.16 |
| 5200 | 1.20 | 1.14 | 1.19 | 1.05 | 1.14 | 1.16 | 1.17 | 1.12 | 1.12 | 1.17 | 1.12 | 1.13 | 1.18 |
| 5400 | 1.16 | 1.13 | 1.20 | 1.06 | 1.16 | 1.18 | 1.19 | 1.14 | 1.14 | 1.19 | 1.14 | 1.14 | 1.19 |
| 5600 | 1.11 | 1.14 | 1.20 | 1.06 | 1.17 | 1.19 | 1.21 | 1.15 | 1.16 | 1.21 | 1.16 | 1.16 | 1.21 |
| 5800 | 1.12 | 1.16 | 1.19 | 1.07 | 1.19 | 1.22 | 1.24 | 1.17 | 1.19 | 1.24 | 1.19 | 1.18 | 1.24 |
| 6000 | 1.19 | 1.20 | 1.19 | 1.11 | 1.21 | 1.24 | 1.27 | 1.20 | 1.22 | 1.27 | 1.21 | 1.21 | 1.26 |
| 6200 | 1.31 | 1.29 | 1.24 | 1.16 | 1.23 | 1.27 | 1.29 | 1.23 | 1.25 | 1.30 | 1.24 | 1.24 | 1.29 |
| 6300 | 1.39 | 1.35 | 1.28 | 1.20 | 1.24 | 1.29 | 1.31 | 1.24 | 1.27 | 1.31 | 1.26 | 1.26 | 1.31 |
| 6400 | 1.49 | 1.41 | 1.33 | 1.23 | 1.25 | 1.31 | 1.32 | 1.25 | 1.29 | 1.33 | 1.28 | 1.28 | 1.32 |
| 6500 | 1.59 | 1.47 | 1.38 | 1.26 | 1.27 | 1.32 | 1.34 | 1.27 | 1.30 | 1.34 | 1.30 | 1.30 | 1.34 |
| 6600 | 1.68 | 1.54 | 1.43 | 1.29 | 1.28 | 1.34 | 1.35 | 1.28 | 1.32 | 1.36 | 1.31 | 1.31 | 1.36 |
| 6700 | 1.76 | 1.59 | 1.47 | 1.32 | 1.30 | 1.35 | 1.36 | 1.30 | 1.34 | 1.37 | 1.33 | 1.33 | 1.37 |
| 6800 | 1.82 | 1.63 | 1.51 | 1.34 | 1.31 | 1.37 | 1.38 | 1.31 | 1.36 | 1.39 | 1.35 | 1.35 | 1.39 |
| 6900 | 1.84 | 1.65 | 1.53 | 1.36 | 1.32 | 1.39 | 1.39 | 1.32 | 1.38 | 1.41 | 1.37 | 1.37 | 1.41 |
| 7000 | 1.84 | 1.66 | 1.55 | 1.38 | 1.34 | 1.40 | 1.40 | 1.34 | 1.39 | 1.42 | 1.39 | 1.39 | 1.42 |
| 7100 | 1.80 | 1.64 | 1.55 | 1.39 | 1.34 | 1.41 | 1.41 | 1.35 | 1.41 | 1.43 | 1.41 | 1.41 | 1.44 |
| 7200 | 1.74 | 1.61 | 1.54 | 1.40 | 1.35 | 1.43 | 1.42 | 1.36 | 1.42 | 1.45 | 1.42 | 1.42 | 1.45 |
| 7300 | 1.66 | 1.56 | 1.51 | 1.40 | 1.36 | 1.44 | 1.43 | 1.37 | 1.44 | 1.46 | 1.44 | 1.44 | 1.46 |
| 7400 | 1.55 | 1.50 | 1.48 | 1.40 | 1.36 | 1.45 | 1.44 | 1.38 | 1.45 | 1.47 | 1.46 | 1.46 | 1.48 |
| 7500 | 1.44 | 1.42 | 1.44 | 1.39 | 1.36 | 1.46 | 1.44 | 1.39 | 1.47 | 1.48 | 1.47 | 1.48 | 1.49 |
| 7600 | 1.33 | 1.34 | 1.39 | 1.39 | 1.36 | 1.47 | 1.45 | 1.40 | 1.48 | 1.49 | 1.49 | 1.49 | 1.50 |
| 7700 | 1.21 | 1.26 | 1.35 | 1.39 | 1.36 | 1.48 | 1.45 | 1.40 | 1.49 | 1.49 | 1.50 | 1.50 | 1.51 |
| 7800 | 1.13 | 1.17 | 1.31 | 1.39 | 1.36 | 1.49 | 1.45 | 1.41 | 1.50 | 1.50 | 1.51 | 1.52 | 1.52 |
| 7900 | 1.10 | 1.14 | 1.28 | 1.40 | 1.36 | 1.49 | 1.45 | 1.41 | 1.50 | 1.50 | 1.52 | 1.53 | 1.52 |
| 8000 | 1.12 | 1.14 | 1.27 | 1.41 | 1.37 | 1.49 | 1.44 | 1.42 | 1.51 | 1.50 | 1.53 | 1.53 | 1.53 |

Notes

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



Programmable Attenuator

RCDAT-8G-120H

Typical Performance Data @ 50°C

| Freq. (MHz) | Attenuation relative to Insertion Loss (dB) | | | | | | | | | | | | |
|----------------|--|------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| | 0.25 dB | 5 dB | 10 dB | 20 dB | 40 dB | 60 dB | 80 dB | 90 dB | 100 dB | 105 dB | 110 dB | 115 dB | 120 dB |
| 100 | 0.28 | 4.99 | 10.07 | 20.06 | 40.07 | 58.52 | 78.32 | 88.30 | 98.25 | 103.06 | 107.11 | 111.41 | 115.36 |
| 200 | 0.28 | 5.03 | 10.12 | 20.21 | 40.28 | 58.99 | 78.75 | 88.74 | 98.58 | 103.35 | 107.36 | 111.73 | 115.63 |
| 300 | 0.28 | 5.01 | 10.08 | 20.21 | 40.19 | 59.11 | 78.64 | 88.62 | 98.14 | 102.86 | 106.91 | 111.23 | 115.08 |
| 400 | 0.27 | 4.98 | 10.03 | 20.18 | 40.07 | 59.06 | 78.40 | 88.38 | 97.72 | 102.38 | 106.46 | 110.81 | 114.69 |
| 500 | 0.27 | 4.94 | 9.98 | 20.15 | 39.97 | 58.87 | 78.14 | 88.14 | 97.41 | 102.13 | 106.19 | 110.57 | 114.40 |
| 600 | 0.27 | 4.90 | 9.92 | 20.10 | 39.88 | 58.72 | 77.99 | 88.01 | 97.35 | 102.12 | 106.21 | 110.58 | 114.48 |
| 700 | 0.26 | 4.86 | 9.87 | 20.05 | 39.82 | 58.69 | 78.00 | 88.05 | 97.48 | 102.25 | 106.40 | 110.78 | 114.84 |
| 800 | 0.26 | 4.83 | 9.84 | 20.02 | 39.77 | 58.73 | 78.10 | 88.16 | 97.68 | 102.52 | 106.64 | 111.00 | 115.14 |
| 900 | 0.26 | 4.82 | 9.83 | 20.00 | 39.75 | 58.84 | 78.26 | 88.33 | 97.93 | 102.82 | 106.91 | 111.38 | 115.48 |
| 1000 | 0.26 | 4.82 | 9.84 | 20.00 | 39.75 | 58.96 | 78.44 | 88.51 | 98.18 | 103.11 | 107.23 | 111.67 | 115.77 |
| 1100 | 0.25 | 4.83 | 9.86 | 20.02 | 39.78 | 59.03 | 78.54 | 88.63 | 98.37 | 103.30 | 107.42 | 111.93 | 116.05 |
| 1200 | 0.25 | 4.86 | 9.91 | 20.05 | 39.82 | 59.03 | 78.57 | 88.67 | 98.42 | 103.37 | 107.51 | 111.93 | 116.28 |
| 1300 | 0.25 | 4.89 | 9.96 | 20.09 | 39.88 | 59.05 | 78.62 | 88.74 | 98.51 | 103.49 | 107.60 | 112.15 | 116.32 |
| 1400 | 0.25 | 4.92 | 10.01 | 20.14 | 39.95 | 59.16 | 78.75 | 88.87 | 98.68 | 103.70 | 107.78 | 112.29 | 116.57 |
| 1500 | 0.25 | 4.94 | 10.06 | 20.17 | 40.01 | 59.30 | 78.92 | 89.04 | 98.88 | 103.89 | 107.96 | 112.52 | 116.84 |
| 1600 | 0.25 | 4.96 | 10.09 | 20.20 | 40.06 | 59.43 | 79.07 | 89.18 | 99.06 | 104.07 | 108.19 | 112.72 | 117.07 |
| 1700 | 0.25 | 4.97 | 10.11 | 20.21 | 40.09 | 59.54 | 79.19 | 89.33 | 99.21 | 104.28 | 108.38 | 112.89 | 117.28 |
| 1800 | 0.25 | 4.97 | 10.13 | 20.21 | 40.11 | 59.60 | 79.26 | 89.40 | 99.30 | 104.37 | 108.51 | 113.05 | 117.45 |
| 1900 | 0.25 | 4.96 | 10.14 | 20.21 | 40.12 | 59.61 | 79.30 | 89.43 | 99.37 | 104.44 | 108.63 | 113.18 | 117.72 |
| 2000 | 0.25 | 4.96 | 10.14 | 20.20 | 40.13 | 59.66 | 79.36 | 89.50 | 99.43 | 104.57 | 108.74 | 113.31 | 117.85 |
| 2200 | 0.25 | 4.96 | 10.16 | 20.20 | 40.16 | 59.81 | 79.55 | 89.70 | 99.68 | 104.84 | 108.99 | 113.57 | 118.24 |
| 2400 | 0.25 | 4.98 | 10.20 | 20.22 | 40.20 | 59.92 | 79.70 | 89.86 | 99.86 | 105.03 | 109.23 | 113.83 | 118.40 |
| 2600 | 0.25 | 4.99 | 10.23 | 20.24 | 40.24 | 60.00 | 79.82 | 90.01 | 100.01 | 105.25 | 109.46 | 114.21 | 118.75 |
| 2800 | 0.25 | 5.01 | 10.23 | 20.25 | 40.27 | 60.10 | 79.97 | 90.18 | 100.24 | 105.46 | 109.76 | 114.27 | 119.10 |
| 3000 | 0.25 | 5.02 | 10.22 | 20.26 | 40.29 | 60.15 | 80.06 | 90.31 | 100.40 | 105.63 | 109.89 | 114.57 | 119.26 |
| 3200 | 0.26 | 5.05 | 10.20 | 20.28 | 40.34 | 60.18 | 80.13 | 90.42 | 100.56 | 105.80 | 110.08 | 114.87 | 119.73 |
| 3400 | 0.26 | 5.10 | 10.20 | 20.34 | 40.43 | 60.29 | 80.28 | 90.64 | 100.78 | 106.05 | 110.43 | 115.27 | 120.08 |
| 3600 | 0.27 | 5.18 | 10.23 | 20.42 | 40.55 | 60.33 | 80.36 | 90.76 | 100.93 | 106.19 | 110.60 | 115.53 | 120.31 |
| 3800 | 0.28 | 5.24 | 10.26 | 20.50 | 40.68 | 60.49 | 80.55 | 91.00 | 101.19 | 106.44 | 110.89 | 115.86 | 120.87 |
| 4000 | 0.29 | 5.28 | 10.27 | 20.55 | 40.78 | 60.53 | 80.63 | 91.12 | 101.34 | 106.63 | 111.05 | 116.12 | 120.96 |
| 4200 | 0.30 | 5.28 | 10.26 | 20.54 | 40.83 | 60.50 | 80.63 | 91.18 | 101.43 | 106.67 | 111.16 | 116.35 | 121.30 |
| 4400 | 0.30 | 5.24 | 10.20 | 20.50 | 40.83 | 60.50 | 80.69 | 91.26 | 101.54 | 106.83 | 111.27 | 116.55 | 121.50 |
| 4600 | 0.30 | 5.18 | 10.15 | 20.44 | 40.82 | 60.51 | 80.74 | 91.38 | 101.63 | 106.92 | 111.44 | 116.56 | 121.58 |
| 4800 | 0.30 | 5.15 | 10.10 | 20.41 | 40.83 | 60.46 | 80.73 | 91.39 | 101.68 | 106.99 | 111.48 | 117.00 | 121.99 |
| 5000 | 0.30 | 5.13 | 10.09 | 20.42 | 40.88 | 60.48 | 80.80 | 91.49 | 101.76 | 107.13 | 111.61 | 117.05 | 122.40 |
| 5200 | 0.30 | 5.15 | 10.11 | 20.47 | 40.97 | 60.63 | 80.99 | 91.66 | 101.96 | 107.29 | 111.87 | 117.33 | 122.51 |
| 5400 | 0.31 | 5.17 | 10.16 | 20.53 | 41.09 | 60.76 | 81.14 | 91.82 | 102.10 | 107.44 | 112.04 | 117.66 | 123.17 |
| 5600 | 0.31 | 5.21 | 10.22 | 20.59 | 41.21 | 60.87 | 81.27 | 91.90 | 102.18 | 107.65 | 112.29 | 117.61 | 123.15 |
| 5800 | 0.32 | 5.23 | 10.27 | 20.63 | 41.31 | 61.03 | 81.44 | 92.02 | 102.33 | 107.79 | 112.32 | 117.87 | 123.50 |
| 6000 | 0.33 | 5.24 | 10.30 | 20.61 | 41.35 | 61.14 | 81.54 | 92.05 | 102.36 | 107.74 | 112.34 | 117.64 | 122.94 |
| 6200 | 0.34 | 5.22 | 10.27 | 20.52 | 41.29 | 61.10 | 81.48 | 91.90 | 102.15 | 107.57 | 112.06 | 117.13 | 122.32 |
| 6300 | 0.34 | 5.19 | 10.23 | 20.44 | 41.22 | 61.02 | 81.40 | 91.76 | 102.04 | 107.50 | 111.94 | 117.23 | 122.30 |
| 6400 | 0.35 | 5.14 | 10.18 | 20.34 | 41.11 | 60.92 | 81.29 | 91.60 | 101.93 | 107.44 | 111.87 | 117.05 | 122.46 |
| 6500 | 0.34 | 5.09 | 10.11 | 20.23 | 40.98 | 60.81 | 81.17 | 91.43 | 101.83 | 107.27 | 111.66 | 116.78 | 122.15 |
| 6600 | 0.34 | 5.03 | 10.05 | 20.13 | 40.84 | 60.70 | 81.04 | 91.24 | 101.63 | 106.98 | 111.32 | 116.45 | 121.12 |
| 6700 | 0.34 | 4.98 | 9.99 | 20.03 | 40.70 | 60.58 | 80.90 | 91.11 | 101.47 | 106.76 | 111.11 | 116.21 | 120.46 |
| 6800 | 0.33 | 4.93 | 9.94 | 19.97 | 40.57 | 60.44 | 80.74 | 90.91 | 101.33 | 106.63 | 110.94 | 116.08 | 121.32 |
| 6900 | 0.33 | 4.90 | 9.92 | 19.95 | 40.47 | 60.32 | 80.60 | 90.73 | 101.20 | 106.47 | 110.80 | 115.85 | 120.91 |
| 7000 | 0.32 | 4.89 | 9.93 | 19.97 | 40.40 | 60.25 | 80.51 | 90.62 | 101.10 | 106.36 | 110.65 | 115.77 | 120.54 |
| 7100 | 0.32 | 4.91 | 9.96 | 20.04 | 40.36 | 60.25 | 80.48 | 90.58 | 100.99 | 106.16 | 110.38 | 115.27 | 120.01 |
| 7200 | 0.31 | 4.93 | 10.01 | 20.15 | 40.36 | 60.27 | 80.45 | 90.54 | 100.83 | 105.82 | 109.99 | 114.81 | 119.17 |
| 7300 | 0.31 | 4.97 | 10.08 | 20.30 | 40.38 | 60.31 | 80.45 | 90.54 | 100.91 | 106.02 | 110.13 | 115.18 | 119.83 |
| 7400 | 0.31 | 5.02 | 10.16 | 20.46 | 40.42 | 60.37 | 80.46 | 90.56 | 101.00 | 106.19 | 110.43 | 115.61 | 120.21 |
| 7500 | 0.31 | 5.07 | 10.23 | 20.64 | 40.46 | 60.40 | 80.45 | 90.51 | 100.98 | 106.06 | 110.43 | 115.64 | 120.29 |
| 7600 | 0.32 | 5.12 | 10.29 | 20.80 | 40.48 | 60.45 | 80.44 | 90.49 | 100.87 | 105.88 | 110.37 | 115.47 | 119.91 |
| 7700 | 0.32 | 5.15 | 10.33 | 20.93 | 40.49 | 60.45 | 80.38 | 90.44 | 100.70 | 105.65 | 110.13 | 115.06 | 119.44 |
| 7800 | 0.32 | 5.18 | 10.34 | 21.04 | 40.46 | 60.44 | 80.30 | 90.36 | 100.47 | 105.41 | 109.69 | 114.57 | 118.84 |
| 7900 | 0.32 | 5.20 | 10.33 | 21.09 | 40.38 | 60.36 | 80.14 | 90.18 | 100.20 | 105.15 | 109.20 | 114.19 | 118.42 |
| 8000 | 0.32 | 5.21 | 10.29 | 21.11 | 40.27 | 60.23 | 79.93 | 89.93 | 99.81 | 104.60 | 108.66 | 113.51 | 117.54 |

Notes

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



Programmable Attenuator

RCDAT-8G-120H

Typical Performance Data @ 50°C

| Freq. (MHz) | Attenuation relative to Insertion Loss @ Fine resolution (0.05 dB) | | | | | | | | | |
|----------------|---|---------|--------|---------|--------|---------|-------|---------|-------|---------|
| | 7.4 dB | 7.45 dB | 7.5 dB | 7.55 dB | 7.6 dB | 67.4 dB | 67.45 | 67.5 dB | 67.55 | 67.6 dB |
| 100 | 7.60 | 7.69 | 7.74 | 7.79 | 7.84 | 65.98 | 66.02 | 66.07 | 66.11 | 66.35 |
| 200 | 7.63 | 7.73 | 7.78 | 7.83 | 7.88 | 66.45 | 66.49 | 66.54 | 66.58 | 66.80 |
| 300 | 7.60 | 7.69 | 7.74 | 7.79 | 7.84 | 66.58 | 66.62 | 66.66 | 66.70 | 66.71 |
| 400 | 7.55 | 7.64 | 7.69 | 7.74 | 7.79 | 66.52 | 66.57 | 66.61 | 66.65 | 66.48 |
| 500 | 7.50 | 7.59 | 7.64 | 7.69 | 7.74 | 66.33 | 66.38 | 66.42 | 66.46 | 66.22 |
| 600 | 7.45 | 7.54 | 7.60 | 7.64 | 7.69 | 66.19 | 66.23 | 66.28 | 66.32 | 66.06 |
| 700 | 7.41 | 7.50 | 7.56 | 7.61 | 7.65 | 66.16 | 66.21 | 66.25 | 66.29 | 66.06 |
| 800 | 7.38 | 7.48 | 7.53 | 7.58 | 7.63 | 66.20 | 66.25 | 66.30 | 66.34 | 66.14 |
| 900 | 7.37 | 7.47 | 7.52 | 7.57 | 7.62 | 66.32 | 66.37 | 66.41 | 66.46 | 66.29 |
| 1000 | 7.38 | 7.48 | 7.53 | 7.58 | 7.63 | 66.45 | 66.50 | 66.55 | 66.59 | 66.46 |
| 1100 | 7.41 | 7.50 | 7.55 | 7.60 | 7.65 | 66.52 | 66.57 | 66.62 | 66.67 | 66.55 |
| 1200 | 7.44 | 7.54 | 7.59 | 7.64 | 7.69 | 66.52 | 66.57 | 66.62 | 66.67 | 66.57 |
| 1300 | 7.49 | 7.58 | 7.64 | 7.69 | 7.73 | 66.55 | 66.60 | 66.65 | 66.70 | 66.60 |
| 1400 | 7.53 | 7.63 | 7.68 | 7.73 | 7.77 | 66.65 | 66.71 | 66.76 | 66.81 | 66.72 |
| 1500 | 7.57 | 7.66 | 7.71 | 7.76 | 7.81 | 66.81 | 66.86 | 66.92 | 66.97 | 66.86 |
| 1600 | 7.59 | 7.68 | 7.73 | 7.78 | 7.83 | 66.94 | 67.00 | 67.05 | 67.11 | 66.99 |
| 1700 | 7.61 | 7.70 | 7.75 | 7.80 | 7.85 | 67.06 | 67.11 | 67.17 | 67.22 | 67.09 |
| 1800 | 7.61 | 7.70 | 7.75 | 7.80 | 7.85 | 67.12 | 67.18 | 67.23 | 67.28 | 67.14 |
| 1900 | 7.62 | 7.70 | 7.76 | 7.81 | 7.86 | 67.14 | 67.20 | 67.25 | 67.30 | 67.14 |
| 2000 | 7.62 | 7.70 | 7.76 | 7.81 | 7.86 | 67.19 | 67.25 | 67.30 | 67.35 | 67.18 |
| 2200 | 7.65 | 7.72 | 7.78 | 7.83 | 7.88 | 67.36 | 67.41 | 67.47 | 67.52 | 67.33 |
| 2400 | 7.69 | 7.76 | 7.82 | 7.87 | 7.92 | 67.48 | 67.54 | 67.59 | 67.64 | 67.44 |
| 2600 | 7.72 | 7.79 | 7.84 | 7.90 | 7.95 | 67.58 | 67.64 | 67.69 | 67.74 | 67.52 |
| 2800 | 7.72 | 7.78 | 7.84 | 7.89 | 7.94 | 67.70 | 67.75 | 67.81 | 67.86 | 67.64 |
| 3000 | 7.68 | 7.74 | 7.80 | 7.85 | 7.90 | 67.77 | 67.83 | 67.88 | 67.93 | 67.70 |
| 3200 | 7.62 | 7.69 | 7.75 | 7.80 | 7.85 | 67.82 | 67.87 | 67.93 | 67.98 | 67.74 |
| 3400 | 7.57 | 7.65 | 7.71 | 7.76 | 7.81 | 67.96 | 68.01 | 68.06 | 68.11 | 67.88 |
| 3600 | 7.54 | 7.63 | 7.69 | 7.74 | 7.79 | 68.03 | 68.09 | 68.14 | 68.19 | 67.94 |
| 3800 | 7.54 | 7.64 | 7.69 | 7.74 | 7.79 | 68.22 | 68.28 | 68.33 | 68.39 | 68.12 |
| 4000 | 7.55 | 7.64 | 7.70 | 7.75 | 7.80 | 68.30 | 68.36 | 68.41 | 68.47 | 68.19 |
| 4200 | 7.55 | 7.64 | 7.69 | 7.75 | 7.80 | 68.32 | 68.38 | 68.44 | 68.49 | 68.19 |
| 4400 | 7.53 | 7.61 | 7.67 | 7.73 | 7.79 | 68.38 | 68.44 | 68.50 | 68.56 | 68.25 |
| 4600 | 7.52 | 7.58 | 7.64 | 7.71 | 7.77 | 68.44 | 68.50 | 68.57 | 68.63 | 68.29 |
| 4800 | 7.51 | 7.56 | 7.62 | 7.69 | 7.76 | 68.44 | 68.51 | 68.57 | 68.64 | 68.28 |
| 5000 | 7.53 | 7.56 | 7.63 | 7.70 | 7.77 | 68.50 | 68.58 | 68.65 | 68.72 | 68.33 |
| 5200 | 7.57 | 7.59 | 7.66 | 7.74 | 7.81 | 68.69 | 68.77 | 68.85 | 68.92 | 68.50 |
| 5400 | 7.63 | 7.63 | 7.71 | 7.79 | 7.86 | 68.85 | 68.93 | 69.00 | 69.08 | 68.62 |
| 5600 | 7.69 | 7.68 | 7.76 | 7.84 | 7.92 | 68.98 | 69.06 | 69.15 | 69.22 | 68.72 |
| 5800 | 7.74 | 7.73 | 7.81 | 7.89 | 7.97 | 69.15 | 69.24 | 69.32 | 69.40 | 68.84 |
| 6000 | 7.77 | 7.75 | 7.83 | 7.92 | 8.00 | 69.28 | 69.36 | 69.45 | 69.52 | 68.90 |
| 6200 | 7.77 | 7.74 | 7.82 | 7.91 | 7.99 | 69.24 | 69.32 | 69.41 | 69.48 | 68.77 |
| 6300 | 7.75 | 7.71 | 7.80 | 7.88 | 7.97 | 69.18 | 69.26 | 69.34 | 69.42 | 68.67 |
| 6400 | 7.71 | 7.68 | 7.76 | 7.85 | 7.93 | 69.10 | 69.18 | 69.25 | 69.33 | 68.54 |
| 6500 | 7.67 | 7.63 | 7.72 | 7.80 | 7.88 | 69.00 | 69.07 | 69.15 | 69.22 | 68.39 |
| 6600 | 7.62 | 7.59 | 7.67 | 7.75 | 7.83 | 68.89 | 68.96 | 69.04 | 69.11 | 68.23 |
| 6700 | 7.58 | 7.55 | 7.63 | 7.71 | 7.78 | 68.77 | 68.85 | 68.92 | 69.00 | 68.06 |
| 6800 | 7.56 | 7.52 | 7.60 | 7.68 | 7.75 | 68.65 | 68.72 | 68.79 | 68.87 | 67.88 |
| 6900 | 7.54 | 7.51 | 7.59 | 7.66 | 7.73 | 68.54 | 68.61 | 68.68 | 68.75 | 67.72 |
| 7000 | 7.55 | 7.52 | 7.59 | 7.67 | 7.74 | 68.47 | 68.54 | 68.61 | 68.68 | 67.62 |
| 7100 | 7.58 | 7.55 | 7.62 | 7.70 | 7.76 | 68.47 | 68.54 | 68.61 | 68.68 | 67.58 |
| 7200 | 7.62 | 7.59 | 7.66 | 7.74 | 7.81 | 68.49 | 68.57 | 68.64 | 68.71 | 67.58 |
| 7300 | 7.68 | 7.65 | 7.72 | 7.79 | 7.86 | 68.52 | 68.59 | 68.66 | 68.73 | 67.57 |
| 7400 | 7.73 | 7.70 | 7.78 | 7.85 | 7.92 | 68.58 | 68.65 | 68.71 | 68.78 | 67.60 |
| 7500 | 7.78 | 7.75 | 7.82 | 7.90 | 7.97 | 68.58 | 68.66 | 68.73 | 68.80 | 67.61 |
| 7600 | 7.82 | 7.78 | 7.86 | 7.93 | 8.01 | 68.61 | 68.69 | 68.76 | 68.83 | 67.64 |
| 7700 | 7.84 | 7.80 | 7.88 | 7.95 | 8.03 | 68.59 | 68.67 | 68.74 | 68.81 | 67.62 |
| 7800 | 7.84 | 7.79 | 7.87 | 7.95 | 8.02 | 68.54 | 68.62 | 68.70 | 68.77 | 67.59 |
| 7900 | 7.81 | 7.76 | 7.84 | 7.92 | 8.00 | 68.42 | 68.50 | 68.58 | 68.65 | 67.50 |
| 8000 | 7.76 | 7.71 | 7.79 | 7.87 | 7.95 | 68.25 | 68.33 | 68.41 | 68.48 | 67.37 |

Notes

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



Programmable Attenuator

RCDAT-8G-120H

Typical Performance Data @ 50°C

| Freq. (MHz) | Attenuation relative to Insertion Loss @ Fine resolution (0.05 dB) | | | | |
|----------------|---|--------|--------|--------|--------|
| | 100.4 | 100.45 | 100.5 | 100.55 | 100.6 |
| 100 | 98.83 | 98.88 | 98.91 | 99.05 | 99.09 |
| 200 | 99.16 | 99.22 | 99.25 | 99.38 | 99.41 |
| 300 | 98.73 | 98.79 | 98.82 | 98.94 | 98.99 |
| 400 | 98.30 | 98.35 | 98.39 | 98.51 | 98.55 |
| 500 | 98.01 | 98.07 | 98.09 | 98.22 | 98.27 |
| 600 | 97.94 | 98.00 | 98.05 | 98.15 | 98.21 |
| 700 | 98.07 | 98.11 | 98.17 | 98.27 | 98.33 |
| 800 | 98.27 | 98.33 | 98.37 | 98.49 | 98.52 |
| 900 | 98.54 | 98.59 | 98.64 | 98.74 | 98.78 |
| 1000 | 98.80 | 98.84 | 98.89 | 99.00 | 99.06 |
| 1100 | 98.97 | 99.00 | 99.05 | 99.15 | 99.21 |
| 1200 | 99.05 | 99.07 | 99.13 | 99.22 | 99.28 |
| 1300 | 99.11 | 99.17 | 99.22 | 99.32 | 99.37 |
| 1400 | 99.29 | 99.33 | 99.39 | 99.48 | 99.54 |
| 1500 | 99.49 | 99.52 | 99.58 | 99.66 | 99.73 |
| 1600 | 99.66 | 99.71 | 99.76 | 99.84 | 99.90 |
| 1700 | 99.82 | 99.86 | 99.91 | 100.01 | 100.05 |
| 1800 | 99.90 | 99.96 | 100.00 | 100.11 | 100.17 |
| 1900 | 99.96 | 100.01 | 100.07 | 100.14 | 100.22 |
| 2000 | 100.06 | 100.11 | 100.16 | 100.25 | 100.29 |
| 2200 | 100.29 | 100.34 | 100.39 | 100.47 | 100.55 |
| 2400 | 100.46 | 100.53 | 100.58 | 100.65 | 100.72 |
| 2600 | 100.65 | 100.71 | 100.75 | 100.84 | 100.89 |
| 2800 | 100.86 | 100.91 | 100.97 | 101.05 | 101.12 |
| 3000 | 101.04 | 101.06 | 101.15 | 101.21 | 101.27 |
| 3200 | 101.16 | 101.23 | 101.27 | 101.36 | 101.41 |
| 3400 | 101.41 | 101.47 | 101.53 | 101.62 | 101.68 |
| 3600 | 101.56 | 101.61 | 101.67 | 101.77 | 101.82 |
| 3800 | 101.82 | 101.94 | 101.92 | 102.05 | 102.11 |
| 4000 | 101.99 | 102.05 | 102.11 | 102.23 | 102.29 |
| 4200 | 102.08 | 102.13 | 102.20 | 102.27 | 102.35 |
| 4400 | 102.21 | 102.28 | 102.34 | 102.45 | 102.49 |
| 4600 | 102.33 | 102.36 | 102.45 | 102.55 | 102.60 |
| 4800 | 102.34 | 102.44 | 102.50 | 102.62 | 102.67 |
| 5000 | 102.49 | 102.58 | 102.64 | 102.72 | 102.82 |
| 5200 | 102.69 | 102.76 | 102.84 | 102.94 | 103.02 |
| 5400 | 102.81 | 102.92 | 103.02 | 103.09 | 103.16 |
| 5600 | 102.92 | 103.05 | 103.10 | 103.17 | 103.29 |
| 5800 | 103.09 | 103.17 | 103.26 | 103.36 | 103.36 |
| 6000 | 103.08 | 103.16 | 103.23 | 103.35 | 103.39 |
| 6200 | 102.90 | 102.98 | 103.05 | 103.16 | 103.30 |
| 6300 | 102.80 | 102.91 | 102.96 | 103.09 | 103.15 |
| 6400 | 102.71 | 102.80 | 102.86 | 102.96 | 103.01 |
| 6500 | 102.60 | 102.62 | 102.68 | 102.80 | 102.89 |
| 6600 | 102.30 | 102.37 | 102.45 | 102.59 | 102.63 |
| 6700 | 102.17 | 102.24 | 102.34 | 102.43 | 102.52 |
| 6800 | 102.03 | 102.09 | 102.14 | 102.22 | 102.37 |
| 6900 | 101.86 | 101.93 | 101.99 | 102.13 | 102.24 |
| 7000 | 101.84 | 101.79 | 101.87 | 102.07 | 102.16 |
| 7100 | 101.71 | 101.77 | 101.79 | 101.96 | 102.00 |
| 7200 | 101.55 | 101.64 | 101.73 | 101.78 | 101.89 |
| 7300 | 101.63 | 101.66 | 101.79 | 101.86 | 101.95 |
| 7400 | 101.69 | 101.76 | 101.87 | 101.95 | 102.02 |
| 7500 | 101.68 | 101.78 | 101.83 | 101.94 | 101.99 |
| 7600 | 101.57 | 101.70 | 101.79 | 101.86 | 101.93 |
| 7700 | 101.41 | 101.50 | 101.64 | 101.68 | 101.76 |
| 7800 | 101.22 | 101.28 | 101.45 | 101.45 | 101.55 |
| 7900 | 100.90 | 100.96 | 101.11 | 101.17 | 101.22 |
| 8000 | 100.48 | 100.61 | 100.67 | 100.77 | 100.84 |

| Freq. (MHz) | I. Loss (dB) |
|----------------|-----------------|
| 100 | 4.33 |
| 200 | 4.09 |
| 300 | 4.18 |
| 400 | 4.31 |
| 500 | 4.45 |
| 600 | 4.61 |
| 700 | 4.76 |
| 800 | 4.90 |
| 900 | 5.02 |
| 1000 | 5.12 |
| 1100 | 5.20 |
| 1200 | 5.26 |
| 1300 | 5.31 |
| 1400 | 5.35 |
| 1500 | 5.41 |
| 1600 | 5.48 |
| 1700 | 5.57 |
| 1800 | 5.68 |
| 1900 | 5.81 |
| 2000 | 5.92 |
| 2200 | 6.06 |
| 2400 | 6.14 |
| 2600 | 6.25 |
| 2800 | 6.41 |
| 3000 | 6.61 |
| 3200 | 6.80 |
| 3400 | 6.97 |
| 3600 | 7.13 |
| 3800 | 7.29 |
| 4000 | 7.49 |
| 4200 | 7.73 |
| 4400 | 8.03 |
| 4600 | 8.33 |
| 4800 | 8.60 |
| 5000 | 8.84 |
| 5200 | 9.03 |
| 5400 | 9.20 |
| 5600 | 9.38 |
| 5800 | 9.61 |
| 6000 | 9.92 |
| 6200 | 10.33 |
| 6300 | 10.59 |
| 6400 | 10.89 |
| 6500 | 11.19 |
| 6600 | 11.51 |
| 6700 | 11.82 |
| 6800 | 12.10 |
| 6900 | 12.35 |
| 7000 | 12.54 |
| 7100 | 12.68 |
| 7200 | 12.78 |
| 7300 | 12.83 |
| 7400 | 12.85 |
| 7500 | 12.86 |
| 7600 | 12.85 |
| 7700 | 12.87 |
| 7800 | 12.91 |
| 7900 | 12.98 |
| 8000 | 13.10 |

Notes

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



Programmable Attenuator

RCDAT-8G-120H

Typical Performance Data @ 50°C

| Freq. (MHz) | Input VSWR (:1) | | | | | | | | | | | | |
|----------------|--------------------|------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| | 0.25 dB | 5 dB | 10 dB | 20 dB | 40 dB | 60 dB | 80 dB | 90 dB | 100 dB | 105 dB | 110 dB | 115 dB | 120 dB |
| 100 | 2.07 | 1.69 | 1.34 | 1.42 | 1.23 | 1.20 | 1.19 | 1.25 | 1.21 | 1.20 | 1.21 | 1.21 | 1.20 |
| 200 | 1.68 | 1.48 | 1.19 | 1.33 | 1.11 | 1.08 | 1.07 | 1.15 | 1.10 | 1.08 | 1.10 | 1.10 | 1.08 |
| 300 | 1.55 | 1.42 | 1.15 | 1.31 | 1.08 | 1.05 | 1.03 | 1.14 | 1.07 | 1.05 | 1.07 | 1.07 | 1.05 |
| 400 | 1.43 | 1.37 | 1.13 | 1.30 | 1.08 | 1.03 | 1.01 | 1.14 | 1.07 | 1.04 | 1.07 | 1.07 | 1.04 |
| 500 | 1.32 | 1.33 | 1.11 | 1.30 | 1.08 | 1.03 | 1.01 | 1.14 | 1.07 | 1.03 | 1.07 | 1.07 | 1.03 |
| 600 | 1.22 | 1.29 | 1.09 | 1.29 | 1.08 | 1.03 | 1.01 | 1.14 | 1.07 | 1.04 | 1.07 | 1.07 | 1.04 |
| 700 | 1.15 | 1.26 | 1.08 | 1.28 | 1.08 | 1.04 | 1.02 | 1.14 | 1.07 | 1.04 | 1.07 | 1.07 | 1.04 |
| 800 | 1.13 | 1.25 | 1.06 | 1.28 | 1.08 | 1.04 | 1.03 | 1.14 | 1.07 | 1.05 | 1.07 | 1.07 | 1.05 |
| 900 | 1.18 | 1.25 | 1.05 | 1.27 | 1.08 | 1.05 | 1.04 | 1.14 | 1.07 | 1.05 | 1.07 | 1.07 | 1.05 |
| 1000 | 1.25 | 1.27 | 1.05 | 1.27 | 1.08 | 1.06 | 1.04 | 1.14 | 1.07 | 1.06 | 1.07 | 1.07 | 1.06 |
| 1100 | 1.32 | 1.29 | 1.05 | 1.27 | 1.08 | 1.07 | 1.05 | 1.14 | 1.07 | 1.07 | 1.07 | 1.07 | 1.07 |
| 1200 | 1.38 | 1.30 | 1.05 | 1.26 | 1.08 | 1.07 | 1.06 | 1.14 | 1.07 | 1.07 | 1.07 | 1.07 | 1.08 |
| 1300 | 1.41 | 1.31 | 1.06 | 1.26 | 1.08 | 1.08 | 1.06 | 1.13 | 1.07 | 1.08 | 1.07 | 1.07 | 1.08 |
| 1400 | 1.42 | 1.31 | 1.06 | 1.25 | 1.08 | 1.08 | 1.07 | 1.13 | 1.07 | 1.09 | 1.07 | 1.07 | 1.09 |
| 1500 | 1.40 | 1.30 | 1.06 | 1.24 | 1.08 | 1.09 | 1.07 | 1.13 | 1.07 | 1.09 | 1.07 | 1.07 | 1.09 |
| 1600 | 1.35 | 1.28 | 1.05 | 1.23 | 1.07 | 1.09 | 1.08 | 1.12 | 1.07 | 1.10 | 1.07 | 1.07 | 1.10 |
| 1700 | 1.29 | 1.25 | 1.05 | 1.23 | 1.07 | 1.10 | 1.08 | 1.12 | 1.07 | 1.10 | 1.07 | 1.07 | 1.10 |
| 1800 | 1.23 | 1.23 | 1.05 | 1.22 | 1.07 | 1.10 | 1.09 | 1.11 | 1.07 | 1.11 | 1.07 | 1.07 | 1.11 |
| 1900 | 1.17 | 1.21 | 1.05 | 1.21 | 1.07 | 1.10 | 1.09 | 1.11 | 1.07 | 1.11 | 1.07 | 1.07 | 1.11 |
| 2000 | 1.12 | 1.19 | 1.05 | 1.21 | 1.07 | 1.10 | 1.09 | 1.11 | 1.06 | 1.11 | 1.06 | 1.06 | 1.11 |
| 2200 | 1.12 | 1.19 | 1.04 | 1.20 | 1.06 | 1.10 | 1.08 | 1.10 | 1.06 | 1.10 | 1.06 | 1.06 | 1.11 |
| 2400 | 1.17 | 1.20 | 1.04 | 1.19 | 1.05 | 1.10 | 1.08 | 1.09 | 1.05 | 1.10 | 1.05 | 1.05 | 1.10 |
| 2600 | 1.21 | 1.21 | 1.04 | 1.19 | 1.04 | 1.10 | 1.08 | 1.09 | 1.04 | 1.11 | 1.04 | 1.04 | 1.11 |
| 2800 | 1.22 | 1.21 | 1.04 | 1.17 | 1.04 | 1.10 | 1.09 | 1.08 | 1.04 | 1.11 | 1.04 | 1.04 | 1.11 |
| 3000 | 1.22 | 1.20 | 1.03 | 1.16 | 1.03 | 1.11 | 1.09 | 1.08 | 1.04 | 1.11 | 1.04 | 1.04 | 1.11 |
| 3200 | 1.23 | 1.19 | 1.03 | 1.15 | 1.03 | 1.11 | 1.10 | 1.07 | 1.04 | 1.12 | 1.04 | 1.04 | 1.12 |
| 3400 | 1.26 | 1.18 | 1.02 | 1.13 | 1.03 | 1.12 | 1.11 | 1.07 | 1.04 | 1.12 | 1.04 | 1.04 | 1.12 |
| 3600 | 1.29 | 1.17 | 1.01 | 1.11 | 1.04 | 1.12 | 1.12 | 1.07 | 1.05 | 1.13 | 1.05 | 1.05 | 1.13 |
| 3800 | 1.29 | 1.15 | 1.04 | 1.09 | 1.05 | 1.14 | 1.13 | 1.07 | 1.05 | 1.14 | 1.05 | 1.05 | 1.14 |
| 4000 | 1.25 | 1.11 | 1.08 | 1.08 | 1.06 | 1.15 | 1.14 | 1.08 | 1.06 | 1.15 | 1.06 | 1.06 | 1.15 |
| 4200 | 1.22 | 1.07 | 1.12 | 1.06 | 1.07 | 1.16 | 1.16 | 1.09 | 1.08 | 1.17 | 1.08 | 1.08 | 1.17 |
| 4400 | 1.21 | 1.06 | 1.16 | 1.06 | 1.09 | 1.18 | 1.18 | 1.10 | 1.09 | 1.19 | 1.09 | 1.09 | 1.19 |
| 4600 | 1.24 | 1.08 | 1.19 | 1.06 | 1.10 | 1.20 | 1.20 | 1.11 | 1.11 | 1.20 | 1.11 | 1.11 | 1.20 |
| 4800 | 1.26 | 1.10 | 1.21 | 1.07 | 1.12 | 1.22 | 1.22 | 1.13 | 1.12 | 1.22 | 1.12 | 1.12 | 1.23 |
| 5000 | 1.25 | 1.10 | 1.22 | 1.07 | 1.14 | 1.25 | 1.25 | 1.15 | 1.15 | 1.25 | 1.15 | 1.15 | 1.25 |
| 5200 | 1.20 | 1.08 | 1.22 | 1.07 | 1.16 | 1.27 | 1.27 | 1.17 | 1.17 | 1.28 | 1.17 | 1.17 | 1.28 |
| 5400 | 1.13 | 1.06 | 1.22 | 1.08 | 1.18 | 1.30 | 1.30 | 1.20 | 1.20 | 1.30 | 1.20 | 1.20 | 1.30 |
| 5600 | 1.04 | 1.08 | 1.23 | 1.09 | 1.21 | 1.32 | 1.33 | 1.22 | 1.23 | 1.33 | 1.23 | 1.23 | 1.33 |
| 5800 | 1.07 | 1.14 | 1.25 | 1.11 | 1.24 | 1.35 | 1.35 | 1.24 | 1.26 | 1.36 | 1.26 | 1.26 | 1.36 |
| 6000 | 1.20 | 1.22 | 1.28 | 1.14 | 1.27 | 1.37 | 1.37 | 1.26 | 1.28 | 1.38 | 1.28 | 1.28 | 1.38 |
| 6200 | 1.36 | 1.32 | 1.35 | 1.19 | 1.31 | 1.40 | 1.40 | 1.28 | 1.32 | 1.41 | 1.32 | 1.32 | 1.41 |
| 6300 | 1.44 | 1.37 | 1.38 | 1.20 | 1.32 | 1.41 | 1.40 | 1.29 | 1.33 | 1.42 | 1.33 | 1.33 | 1.42 |
| 6400 | 1.54 | 1.43 | 1.43 | 1.24 | 1.35 | 1.43 | 1.42 | 1.30 | 1.35 | 1.44 | 1.35 | 1.35 | 1.44 |
| 6500 | 1.64 | 1.48 | 1.48 | 1.26 | 1.37 | 1.44 | 1.42 | 1.31 | 1.36 | 1.44 | 1.36 | 1.36 | 1.44 |
| 6600 | 1.72 | 1.53 | 1.52 | 1.28 | 1.39 | 1.45 | 1.43 | 1.31 | 1.38 | 1.45 | 1.38 | 1.38 | 1.45 |
| 6700 | 1.79 | 1.57 | 1.55 | 1.30 | 1.40 | 1.46 | 1.44 | 1.32 | 1.39 | 1.46 | 1.39 | 1.39 | 1.46 |
| 6800 | 1.83 | 1.59 | 1.58 | 1.32 | 1.42 | 1.47 | 1.44 | 1.32 | 1.41 | 1.47 | 1.41 | 1.41 | 1.47 |
| 6900 | 1.84 | 1.61 | 1.60 | 1.34 | 1.44 | 1.47 | 1.44 | 1.33 | 1.42 | 1.48 | 1.42 | 1.42 | 1.48 |
| 7000 | 1.82 | 1.60 | 1.60 | 1.36 | 1.45 | 1.48 | 1.45 | 1.33 | 1.43 | 1.49 | 1.43 | 1.43 | 1.49 |
| 7100 | 1.77 | 1.58 | 1.60 | 1.37 | 1.46 | 1.49 | 1.44 | 1.33 | 1.44 | 1.49 | 1.44 | 1.44 | 1.49 |
| 7200 | 1.69 | 1.54 | 1.58 | 1.38 | 1.47 | 1.49 | 1.44 | 1.33 | 1.45 | 1.49 | 1.45 | 1.45 | 1.49 |
| 7300 | 1.60 | 1.50 | 1.55 | 1.38 | 1.48 | 1.49 | 1.44 | 1.33 | 1.46 | 1.50 | 1.46 | 1.46 | 1.50 |
| 7400 | 1.49 | 1.44 | 1.51 | 1.38 | 1.49 | 1.49 | 1.43 | 1.32 | 1.47 | 1.50 | 1.47 | 1.47 | 1.50 |
| 7500 | 1.37 | 1.37 | 1.47 | 1.38 | 1.49 | 1.49 | 1.42 | 1.32 | 1.47 | 1.49 | 1.47 | 1.47 | 1.49 |
| 7600 | 1.27 | 1.32 | 1.43 | 1.39 | 1.49 | 1.49 | 1.42 | 1.31 | 1.48 | 1.49 | 1.48 | 1.48 | 1.49 |
| 7700 | 1.17 | 1.26 | 1.39 | 1.39 | 1.48 | 1.48 | 1.40 | 1.31 | 1.48 | 1.48 | 1.48 | 1.48 | 1.48 |
| 7800 | 1.12 | 1.22 | 1.35 | 1.39 | 1.48 | 1.47 | 1.39 | 1.30 | 1.48 | 1.47 | 1.48 | 1.48 | 1.47 |
| 7900 | 1.11 | 1.20 | 1.32 | 1.39 | 1.47 | 1.46 | 1.37 | 1.29 | 1.47 | 1.46 | 1.47 | 1.47 | 1.46 |
| 8000 | 1.14 | 1.19 | 1.29 | 1.40 | 1.46 | 1.45 | 1.36 | 1.29 | 1.47 | 1.45 | 1.47 | 1.47 | 1.45 |

Notes

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



Programmable Attenuator

RCDAT-8G-120H

Typical Performance Data @ 50°C

| Freq. (MHz) | Output VSWR (:1) | | | | | | | | | | | | |
|----------------|---------------------|------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| | 0.25 dB | 5 dB | 10 dB | 20 dB | 40 dB | 60 dB | 80 dB | 90 dB | 100 dB | 105 dB | 110 dB | 115 dB | 120 dB |
| 100 | 2.08 | 1.70 | 1.39 | 1.36 | 1.27 | 1.20 | 1.20 | 1.23 | 1.22 | 1.21 | 1.21 | 1.21 | 1.20 |
| 200 | 1.68 | 1.45 | 1.23 | 1.24 | 1.16 | 1.09 | 1.08 | 1.12 | 1.10 | 1.09 | 1.09 | 1.09 | 1.08 |
| 300 | 1.54 | 1.38 | 1.19 | 1.21 | 1.15 | 1.06 | 1.05 | 1.10 | 1.08 | 1.06 | 1.06 | 1.06 | 1.05 |
| 400 | 1.42 | 1.33 | 1.17 | 1.19 | 1.14 | 1.05 | 1.04 | 1.09 | 1.07 | 1.05 | 1.05 | 1.05 | 1.03 |
| 500 | 1.30 | 1.27 | 1.15 | 1.18 | 1.14 | 1.04 | 1.04 | 1.09 | 1.07 | 1.05 | 1.05 | 1.05 | 1.03 |
| 600 | 1.19 | 1.23 | 1.13 | 1.17 | 1.14 | 1.04 | 1.04 | 1.09 | 1.07 | 1.05 | 1.05 | 1.05 | 1.03 |
| 700 | 1.10 | 1.20 | 1.12 | 1.17 | 1.14 | 1.05 | 1.05 | 1.09 | 1.07 | 1.06 | 1.05 | 1.05 | 1.04 |
| 800 | 1.09 | 1.20 | 1.11 | 1.17 | 1.14 | 1.05 | 1.05 | 1.09 | 1.07 | 1.06 | 1.05 | 1.05 | 1.04 |
| 900 | 1.16 | 1.21 | 1.12 | 1.17 | 1.13 | 1.05 | 1.05 | 1.09 | 1.07 | 1.06 | 1.05 | 1.05 | 1.05 |
| 1000 | 1.24 | 1.24 | 1.12 | 1.17 | 1.13 | 1.06 | 1.06 | 1.09 | 1.07 | 1.07 | 1.06 | 1.06 | 1.05 |
| 1100 | 1.31 | 1.27 | 1.13 | 1.17 | 1.13 | 1.06 | 1.06 | 1.09 | 1.07 | 1.07 | 1.06 | 1.06 | 1.06 |
| 1200 | 1.37 | 1.30 | 1.14 | 1.17 | 1.13 | 1.06 | 1.06 | 1.09 | 1.07 | 1.07 | 1.06 | 1.06 | 1.06 |
| 1300 | 1.41 | 1.31 | 1.15 | 1.17 | 1.13 | 1.07 | 1.07 | 1.09 | 1.07 | 1.08 | 1.06 | 1.06 | 1.07 |
| 1400 | 1.43 | 1.32 | 1.16 | 1.17 | 1.12 | 1.07 | 1.07 | 1.09 | 1.07 | 1.08 | 1.06 | 1.06 | 1.07 |
| 1500 | 1.42 | 1.32 | 1.16 | 1.17 | 1.12 | 1.07 | 1.07 | 1.09 | 1.07 | 1.08 | 1.06 | 1.06 | 1.08 |
| 1600 | 1.39 | 1.31 | 1.16 | 1.16 | 1.11 | 1.07 | 1.07 | 1.09 | 1.07 | 1.08 | 1.07 | 1.07 | 1.08 |
| 1700 | 1.35 | 1.30 | 1.16 | 1.15 | 1.11 | 1.07 | 1.07 | 1.09 | 1.06 | 1.08 | 1.07 | 1.07 | 1.09 |
| 1800 | 1.30 | 1.29 | 1.16 | 1.15 | 1.11 | 1.07 | 1.07 | 1.09 | 1.06 | 1.08 | 1.07 | 1.07 | 1.09 |
| 1900 | 1.27 | 1.28 | 1.15 | 1.14 | 1.10 | 1.07 | 1.07 | 1.09 | 1.06 | 1.08 | 1.07 | 1.07 | 1.09 |
| 2000 | 1.25 | 1.28 | 1.15 | 1.13 | 1.10 | 1.07 | 1.07 | 1.09 | 1.06 | 1.08 | 1.06 | 1.06 | 1.09 |
| 2200 | 1.26 | 1.28 | 1.15 | 1.12 | 1.09 | 1.07 | 1.06 | 1.08 | 1.05 | 1.07 | 1.06 | 1.06 | 1.08 |
| 2400 | 1.31 | 1.30 | 1.15 | 1.12 | 1.08 | 1.06 | 1.05 | 1.08 | 1.04 | 1.06 | 1.05 | 1.05 | 1.08 |
| 2600 | 1.34 | 1.31 | 1.15 | 1.13 | 1.07 | 1.07 | 1.05 | 1.07 | 1.03 | 1.06 | 1.05 | 1.05 | 1.08 |
| 2800 | 1.34 | 1.31 | 1.15 | 1.13 | 1.07 | 1.07 | 1.05 | 1.07 | 1.03 | 1.06 | 1.05 | 1.05 | 1.09 |
| 3000 | 1.31 | 1.28 | 1.13 | 1.13 | 1.06 | 1.07 | 1.05 | 1.07 | 1.03 | 1.06 | 1.05 | 1.05 | 1.09 |
| 3200 | 1.27 | 1.25 | 1.12 | 1.12 | 1.06 | 1.08 | 1.06 | 1.07 | 1.03 | 1.07 | 1.05 | 1.05 | 1.09 |
| 3400 | 1.23 | 1.22 | 1.09 | 1.11 | 1.06 | 1.08 | 1.06 | 1.07 | 1.03 | 1.07 | 1.05 | 1.05 | 1.09 |
| 3600 | 1.20 | 1.19 | 1.07 | 1.11 | 1.06 | 1.09 | 1.07 | 1.07 | 1.03 | 1.08 | 1.06 | 1.06 | 1.10 |
| 3800 | 1.19 | 1.16 | 1.08 | 1.10 | 1.06 | 1.09 | 1.08 | 1.07 | 1.04 | 1.08 | 1.06 | 1.06 | 1.10 |
| 4000 | 1.18 | 1.12 | 1.09 | 1.09 | 1.06 | 1.10 | 1.08 | 1.07 | 1.04 | 1.09 | 1.07 | 1.07 | 1.11 |
| 4200 | 1.17 | 1.08 | 1.11 | 1.08 | 1.06 | 1.11 | 1.09 | 1.08 | 1.05 | 1.10 | 1.07 | 1.07 | 1.12 |
| 4400 | 1.16 | 1.07 | 1.12 | 1.07 | 1.07 | 1.12 | 1.10 | 1.08 | 1.06 | 1.11 | 1.08 | 1.08 | 1.13 |
| 4600 | 1.17 | 1.08 | 1.13 | 1.07 | 1.08 | 1.12 | 1.12 | 1.09 | 1.07 | 1.12 | 1.09 | 1.09 | 1.14 |
| 4800 | 1.19 | 1.11 | 1.15 | 1.06 | 1.10 | 1.13 | 1.13 | 1.10 | 1.08 | 1.13 | 1.10 | 1.10 | 1.15 |
| 5000 | 1.21 | 1.13 | 1.17 | 1.05 | 1.11 | 1.14 | 1.14 | 1.11 | 1.09 | 1.14 | 1.11 | 1.11 | 1.16 |
| 5200 | 1.20 | 1.13 | 1.18 | 1.05 | 1.13 | 1.16 | 1.16 | 1.12 | 1.11 | 1.16 | 1.12 | 1.12 | 1.17 |
| 5400 | 1.16 | 1.12 | 1.19 | 1.05 | 1.15 | 1.17 | 1.19 | 1.14 | 1.13 | 1.19 | 1.14 | 1.14 | 1.19 |
| 5600 | 1.10 | 1.13 | 1.19 | 1.05 | 1.17 | 1.20 | 1.21 | 1.15 | 1.16 | 1.21 | 1.16 | 1.16 | 1.21 |
| 5800 | 1.11 | 1.15 | 1.18 | 1.08 | 1.18 | 1.22 | 1.24 | 1.18 | 1.19 | 1.24 | 1.19 | 1.19 | 1.24 |
| 6000 | 1.19 | 1.20 | 1.20 | 1.11 | 1.20 | 1.25 | 1.26 | 1.20 | 1.22 | 1.27 | 1.21 | 1.21 | 1.26 |
| 6200 | 1.31 | 1.29 | 1.25 | 1.17 | 1.22 | 1.28 | 1.29 | 1.23 | 1.25 | 1.30 | 1.25 | 1.25 | 1.29 |
| 6300 | 1.40 | 1.35 | 1.29 | 1.20 | 1.23 | 1.29 | 1.31 | 1.24 | 1.27 | 1.31 | 1.26 | 1.26 | 1.31 |
| 6400 | 1.50 | 1.41 | 1.34 | 1.23 | 1.25 | 1.31 | 1.32 | 1.26 | 1.29 | 1.33 | 1.28 | 1.28 | 1.33 |
| 6500 | 1.59 | 1.48 | 1.38 | 1.26 | 1.26 | 1.32 | 1.34 | 1.27 | 1.30 | 1.35 | 1.30 | 1.30 | 1.34 |
| 6600 | 1.68 | 1.53 | 1.43 | 1.29 | 1.28 | 1.34 | 1.35 | 1.28 | 1.32 | 1.36 | 1.32 | 1.32 | 1.36 |
| 6700 | 1.76 | 1.59 | 1.47 | 1.32 | 1.29 | 1.35 | 1.36 | 1.29 | 1.34 | 1.38 | 1.33 | 1.34 | 1.37 |
| 6800 | 1.81 | 1.62 | 1.51 | 1.34 | 1.31 | 1.37 | 1.37 | 1.30 | 1.36 | 1.39 | 1.35 | 1.35 | 1.39 |
| 6900 | 1.83 | 1.65 | 1.53 | 1.37 | 1.32 | 1.38 | 1.39 | 1.32 | 1.37 | 1.41 | 1.37 | 1.37 | 1.40 |
| 7000 | 1.83 | 1.65 | 1.54 | 1.38 | 1.34 | 1.40 | 1.40 | 1.33 | 1.39 | 1.42 | 1.39 | 1.39 | 1.42 |
| 7100 | 1.79 | 1.63 | 1.54 | 1.40 | 1.35 | 1.41 | 1.40 | 1.34 | 1.40 | 1.43 | 1.40 | 1.40 | 1.43 |
| 7200 | 1.72 | 1.60 | 1.53 | 1.40 | 1.35 | 1.42 | 1.41 | 1.35 | 1.42 | 1.44 | 1.42 | 1.42 | 1.45 |
| 7300 | 1.64 | 1.55 | 1.51 | 1.41 | 1.36 | 1.43 | 1.42 | 1.36 | 1.43 | 1.45 | 1.44 | 1.44 | 1.46 |
| 7400 | 1.53 | 1.49 | 1.47 | 1.41 | 1.36 | 1.44 | 1.43 | 1.37 | 1.45 | 1.46 | 1.46 | 1.45 | 1.47 |
| 7500 | 1.42 | 1.41 | 1.43 | 1.40 | 1.36 | 1.45 | 1.43 | 1.38 | 1.46 | 1.47 | 1.47 | 1.47 | 1.48 |
| 7600 | 1.31 | 1.33 | 1.39 | 1.40 | 1.36 | 1.46 | 1.44 | 1.39 | 1.47 | 1.48 | 1.49 | 1.49 | 1.49 |
| 7700 | 1.20 | 1.25 | 1.34 | 1.40 | 1.36 | 1.47 | 1.44 | 1.39 | 1.48 | 1.48 | 1.50 | 1.50 | 1.50 |
| 7800 | 1.12 | 1.17 | 1.30 | 1.40 | 1.36 | 1.47 | 1.43 | 1.40 | 1.49 | 1.48 | 1.51 | 1.51 | 1.50 |
| 7900 | 1.10 | 1.13 | 1.27 | 1.40 | 1.36 | 1.47 | 1.43 | 1.40 | 1.49 | 1.48 | 1.51 | 1.51 | 1.51 |
| 8000 | 1.13 | 1.14 | 1.26 | 1.41 | 1.36 | 1.47 | 1.43 | 1.41 | 1.49 | 1.48 | 1.52 | 1.52 | 1.51 |

Notes

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

