

USB Synthesized Signal Generator

SSG-6001RC

Typical Performance Data

Frequency (MHz)	Max Power Output Vs. Output Frequency (dBm)		
	0°C	+25°C	+50°C
1	15.37	15.54	15.53
10	16.00	16.22	16.34
25	16.35	16.59	16.86
100	15.12	15.38	15.54
200	14.23	14.58	14.74
500	16.67	16.88	17.18
1000	14.13	14.92	15.12
1500	15.07	15.93	16.19
2000	11.45	13.07	13.38
2500	11.78	13.37	13.56
3000	12.05	14.02	14.33
3500	15.98	16.42	16.93
4000	14.72	14.71	15.52
4500	14.36	14.80	15.23
5000	11.89	12.37	12.48
5500	11.68	12.15	12.23
6000	10.94	11.59	11.54

Frequency (MHz)	Power deviation from nominal Vs. Output Frequency (dBm)				
	-65 dBm	-40 dBm	-20 dBm	0 dBm	+10 dBm
1	-0.222	-0.395	-0.008	0.029	0.037
10	-0.047	0.058	-0.169	0.009	-0.076
25	0.035	-0.082	-0.168	-0.154	-0.084
35	-0.267	-0.444	-0.058	-0.113	-0.131
50	0.044	-0.111	-0.038	-0.113	-0.065
60	0.382	0.382	-0.067	-0.041	0.031
90	0.210	0.160	0.078	-0.007	-0.125
125	0.040	0.121	0.135	-0.053	-0.084
185	-0.165	-0.103	0.219	0.107	0.044
250	0.198	0.110	-0.036	0.115	0.182
385	0.102	0.042	0.179	0.151	-0.069
500	-0.107	-0.049	-0.108	-0.132	0.035
775	0.078	0.039	-0.098	-0.032	0.005
1000	0.139	0.117	-0.079	0.064	0.031
1500	-0.067	0.054	-0.052	0.128	-0.010
1825	0.258	0.088	0.117	0.124	0.162
2150	0.045	-0.234	0.059	0.029	0.135
2550	0.201	0.145	0.212	0.112	0.082
3000	0.311	0.194	0.015	0.035	0.023
3500	0.351	0.227	0.034	0.104	0.253
4000	-0.053	-0.219	0.202	0.161	0.089
4500	0.498	0.299	0.060	-0.140	0.319
5000	0.441	0.486	0.286	0.044	0.295
5100	0.855	0.071	0.187	-0.029	0.048
5500	0.340	0.499	0.592	0.520	0.589
6000	0.420	0.586	0.492	0.358	0.518

Power (dBm)	Power deviation from nominal Vs. Output Power (dBm)						
	1 MHz	1000 MHz	2000 MHz	3000 MHz	4000 MHz	5000 MHz	6000 MHz
-65	-0.222	0.139	0.168	0.311	-0.053	0.441	0.420
-60	-0.106	-0.012	-0.054	0.111	-0.045	0.419	0.635
-55	-0.093	-0.003	0.009	0.153	-0.163	0.916	0.307
-50	-0.053	-0.011	0.013	0.225	-0.240	0.210	0.360
-45	-0.236	0.025	0.039	0.300	-0.019	0.396	0.446
-40	-0.395	0.117	0.135	0.194	-0.219	0.486	0.586
-35	-0.147	0.097	0.143	0.261	0.105	0.397	0.084
-30	-0.348	0.115	-0.021	0.094	-0.205	0.318	0.223
-25	-0.295	-0.044	0.061	0.215	-0.342	0.349	0.652
-20	-0.008	-0.079	-0.005	0.015	0.202	0.286	0.492
-15	0.134	-0.091	0.044	0.042	0.126	0.361	0.010
-10	-0.031	0.103	0.054	0.279	-0.051	0.252	0.156
-5	0.082	-0.080	0.135	0.171	0.064	0.212	0.241
0	0.029	0.064	0.033	0.035	0.161	0.044	0.358
5	-0.042	-0.020	0.059	0.070	0.068	0.434	0.246
10	0.037	0.031	0.185	0.023	0.089	0.295	0.518

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-Circuit's 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-Circuit's website at www.minicircuits.com/MCLStore/terms.jsp



USB Synthesized Signal Generator

SSG-6001RC

Typical Performance Data

Frequency (MHz)	Harmonics & Sub-Harmonics Levels Vs. Output Frequency														
	-65dBm					-40dBm					-20dBm				
	F0.5	F1.5	F2	F2.5	F3	F0.5	F1.5	F2	F2.5	F3	F0.5	F1.5	F2	F2.5	F3
1	-50.37	-57.93	-40.34	-58.76	-58.35	-84.84	-82.42	-40.31	-81.82	-73.48	-78.23	-84.76	-41.81	-86.46	-74.22
10	-57.82	-60.20	-51.06	-60.41	-42.53	-82.78	-83.27	-53.65	-84.85	-42.99	-93.36	-91.27	-34.40	-92.03	-42.15
25	-56.75	-55.92	-51.32	-65.49	-47.62	-86.33	-80.43	-49.39	-83.09	-48.59	-90.00	-93.37	-37.53	-90.00	-48.84
150	-56.76	-60.54	-52.51	-61.61	-63.06	-82.17	-84.86	-77.55	-86.06	-81.21	-97.43	-94.62	-58.50	-93.17	-81.91
300	-61.49	-58.25	-59.54	-58.02	-61.47	-79.82	-89.51	-86.51	-80.34	-80.04	-91.28	-91.59	-65.24	-92.04	-89.73
450	-61.47	-60.44	-59.53	-55.98	-54.30	-81.54	-82.35	-80.98	-83.05	-83.90	-88.69	-93.08	-72.45	-93.00	-91.96
600	-56.54	-57.55	-58.17	-56.60	-54.32	-83.78	-84.62	-82.92	-81.24	-81.69	-93.82	-89.15	-80.14	-87.60	-88.09
750	-56.86	-62.23	-57.31	-59.49	-55.75	-81.26	-85.08	-80.60	-85.32	-78.67	-94.81	-91.26	-70.11	-92.54	-88.39
900	-56.89	-59.78	-59.87	-55.61	-51.75	-84.12	-83.76	-82.80	-84.76	-83.67	-88.91	-93.27	-71.98	-90.09	-86.27
1050	-61.29	-55.44	-57.51	-58.85	-54.81	-83.92	-84.02	-86.11	-84.09	-70.29	-89.91	-90.60	-69.59	-88.86	-61.36
1200	-57.69	-59.23	-51.56	-55.73	-59.65	-80.84	-81.45	-82.75	-80.98	-78.83	-92.27	-92.72	-64.68	-90.44	-91.13
1350	-59.06	-60.12	-56.22	-57.79	-58.31	-80.46	-84.49	-82.44	-81.98	-80.89	-98.73	-91.66	-63.71	-90.55	-87.50
1500	-61.17	-59.19	-56.48	-57.30	-51.50	-85.65	-80.80	-73.30	-78.43	-81.54	-89.78	-88.62	-61.21	-92.58	-86.26
1650	-55.66	-56.49	-56.27	-57.40	-50.35	-85.28	-84.77	-73.63	-80.10	-74.74	-93.93	-88.04	-56.56	-89.06	-79.77
1800	-59.70	-57.87	-54.84	-55.54	-52.48	-82.65	-82.30	-77.10	-83.41	-80.28	-92.59	-86.51	-60.40	-90.03	-85.16
1950	-59.13	-56.02	-51.30	-60.16	-51.13	-79.65	-83.21	-78.35	-82.79	-76.88	-89.62	-89.30	-65.09	-90.53	-84.70
2100	-54.55	-55.27	-53.92	-55.32	-47.46	-82.90	-82.11	-78.23	-80.51	-72.77	-93.14	-88.88	-79.39	-92.06	-86.06
2250	-58.55	-57.12	-54.99	-54.94	-41.52	-82.32	-83.90	-77.87	-84.30	-66.45	-92.78	-91.25	-62.99	-94.10	-83.31
2400	-55.77	-57.92	-52.17	-57.43	-35.07	-82.16	-82.33	-73.94	-79.21	-61.33	-90.95	-88.48	-60.34	-88.19	-78.55
2550	-56.72	-56.26	-49.39	-56.79	-39.48	-85.34	-83.05	-76.37	-77.82	-65.11	-91.67	-94.67	-58.36	-91.22	-85.12
2700	-61.03	-65.04	-50.08	-55.54	-54.11	-82.64	-81.90	-73.40	-78.05	-82.51	-94.31	-92.10	-59.97	-89.26	-87.87
2850	-56.73	-59.47	-58.26	-53.51	-54.46	-80.10	-82.92	-77.71	-83.27	-79.05	-90.67	-92.91	-58.41	-88.27	-88.99
3000	-53.77	-52.80	-54.64	-55.25	-54.69	-82.80	-79.01	-80.54	-85.51	-75.44	-89.52	-91.08	-57.70	-89.50	-94.11
3150	-55.08	-48.54	-25.32	-51.73	-18.96	-81.60	-74.30	-37.72	-77.76	-44.11	-91.97	-91.79	-39.62	-89.46	-64.45
3300	-57.45	-52.29	-55.62	-58.14	-56.11	-80.53	-71.43	-43.34	-81.18	-52.76	-91.96	-89.44	-44.70	-88.63	-73.04
3450	-60.27	-52.52	-47.43	-50.30	-54.84	-74.54	-80.85	-50.61	-79.52	-49.16	-92.64	-92.42	-58.06	-90.05	-69.88
3600	-45.07	-47.05	-21.00	-51.52	-22.30	-70.04	-71.37	-44.16	-78.73	-47.38	-89.71	-78.65	-54.17	-89.80	-68.00
3750	-51.29	-46.95	-25.26	-51.95	-19.74	-78.07	-74.18	-56.43	-78.61	-45.16	-87.85	-79.22	-58.72	-87.84	-65.40
3900	-55.29	-49.79	-43.96	-57.05	-28.28	-82.07	-75.69	-59.69	-84.73	-53.51	-92.90	-88.38	-62.11	-88.29	-73.60
4050	-56.48	-49.59	-22.99	-55.02	-36.26	-79.99	-76.85	-48.03	-77.70	-60.97	-89.50	-87.12	-70.30	-89.08	-79.92
4200	-58.29	-48.57	-20.73	-52.08	-36.16	-77.59	-69.78	-46.15	-78.44	-62.07	-88.78	-86.49	-66.26	-88.69	-84.44
4350	-52.69	-42.35	-23.92	-53.46	-29.30	-76.81	-66.72	-49.28	-79.44	-54.76	-94.96	-86.61	-70.09	-89.68	-76.22
4500	-48.21	-43.35	-56.14	-54.46	-56.04	-78.09	-66.12	-45.07	-80.61	-52.33	-89.21	-88.58	-64.10	-90.21	-72.29
4650	-41.01	-35.18	-43.73	-57.27	-55.00	-76.24	-57.81	-40.82	-83.95	-46.45	-89.92	-79.11	-58.62	-90.64	-64.58
4800	-50.22	-35.41	-48.80	-57.68	-52.67	-74.70	-60.33	-46.56	-80.61	-56.19	-89.01	-80.77	-65.10	-91.30	-73.35
4950	-52.52	-34.20	-54.09	-55.63	-54.80	-73.65	-59.50	-54.29	-81.29	-54.99	-89.53	-83.71	-71.07	-87.92	-73.65
5100	-44.98	-40.09	-56.86	-52.37	-50.64	-72.21	-65.31	-48.43	-81.06	-62.09	-86.28	-84.71	-67.14	-90.49	-75.37
5250	-53.98	-48.98	-21.55	-52.31	-40.04	-71.73	-73.17	-46.10	-76.97	-65.04	-88.97	-92.24	-63.68	-89.06	-83.09
5400	-46.93	-57.73	-24.49	-55.29	-50.53	-78.61	-78.90	-44.15	-78.70	-71.95	-87.62	-91.10	-64.99	-88.41	-84.80
5550	-45.39	-56.27	-28.34	-51.57	-49.03	-67.86	-83.52	-49.59	-78.08	-71.96	-84.74	-91.35	-69.43	-90.28	-79.98
5700	-53.42	-50.90	-33.04	-50.64	-46.95	-74.30	-76.98	-53.63	-76.95	-69.20	-89.41	-89.58	-75.31	-86.57	-85.59
5850	-51.32	-53.87	-36.41	-49.00	-49.19	-73.59	-81.34	-51.43	-75.34	-74.83	-87.83	-92.03	-73.34	-87.71	-85.12
6000	-42.45	-53.24	-38.89	-49.36	-48.19	-68.69	-80.95	-57.69	-74.67	-77.72	-86.52	-92.19	-79.19	-87.69	-84.84

Notes

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



USB Synthesized Signal Generator

SSG-6001RC

Typical Performance Data

Frequency (MHz)	Harmonics & Sub-Harmonics Levels Vs. Output Frequency									
	0dBm					+10dBm				
	F0.5	F1.5	F2	F2.5	F3	F0.5	F1.5	F2	F2.5	F3
1	-99.71	-100.07	-41.87	-97.32	-77.90	-91.20	-93.98	-44.11	-102.83	-56.85
10	-101.34	-101.26	-59.38	-102.85	-47.17	-102.43	-104.14	-63.18	-102.02	-49.42
25	-98.23	-107.95	-51.13	-101.18	-52.21	-103.62	-105.99	-51.33	-100.90	-57.60
150	-100.47	-102.07	-65.50	-100.42	-82.40	-106.74	-103.44	-54.08	-103.98	-72.19
300	-92.08	-102.00	-61.44	-102.20	-80.12	-93.39	-101.96	-51.04	-103.44	-58.67
450	-100.50	-103.46	-58.65	-104.26	-77.27	-102.31	-101.77	-47.86	-101.93	-52.81
600	-97.50	-103.44	-57.60	-102.66	-76.09	-102.16	-102.03	-47.34	-107.20	-53.44
750	-102.87	-103.69	-55.31	-101.67	-76.88	-104.77	-101.11	-45.79	-98.94	-54.33
900	-99.12	-97.04	-55.16	-103.99	-78.66	-94.24	-101.38	-45.22	-98.71	-53.95
1050	-98.35	-98.42	-54.55	-99.70	-67.95	-102.47	-103.91	-45.43	-99.69	-52.57
1200	-104.09	-98.56	-53.25	-100.89	-74.57	-102.57	-101.34	-43.94	-101.99	-50.04
1350	-105.13	-103.43	-53.53	-103.12	-76.68	-104.03	-99.93	-44.81	-104.79	-52.06
1500	-94.55	-100.44	-52.69	-100.01	-76.29	-92.62	-102.72	-43.81	-100.20	-51.88
1650	-101.79	-99.95	-50.33	-98.07	-77.56	-102.06	-104.11	-41.74	-100.30	-54.05
1800	-101.30	-96.19	-51.35	-96.64	-79.26	-96.67	-101.11	-41.91	-98.30	-56.98
1950	-103.46	-101.87	-53.44	-104.39	-80.26	-102.56	-104.32	-42.34	-103.23	-57.60
2100	-98.00	-97.01	-57.44	-100.62	-79.11	-94.61	-100.93	-45.79	-103.03	-56.56
2250	-106.69	-100.36	-60.20	-101.31	-81.90	-101.97	-99.27	-48.57	-96.91	-58.78
2400	-95.57	-101.16	-58.57	-98.57	-84.92	-95.39	-102.29	-51.85	-99.02	-62.18
2550	-102.24	-104.55	-57.27	-100.47	-92.49	-100.93	-99.88	-49.14	-100.30	-67.84
2700	-96.14	-103.76	-53.80	-98.91	-99.58	-96.25	-103.12	-44.36	-101.59	-80.29
2850	-100.46	-100.72	-51.02	-101.65	-97.91	-104.73	-100.23	-41.08	-96.28	-92.63
3000	-93.76	-101.80	-49.29	-100.37	-96.36	-91.46	-99.02	-38.42	-105.50	-98.08
3150	-101.27	-102.22	-39.63	-102.45	-82.24	-101.08	-100.78	-39.09	-98.45	-92.11
3300	-99.57	-97.96	-44.45	-99.53	-89.26	-98.57	-100.26	-40.53	-99.36	-94.70
3450	-103.37	-100.68	-59.62	-97.53	-88.79	-103.57	-100.69	-45.87	-100.90	-95.71
3600	-102.10	-88.94	-61.73	-101.58	-86.80	-100.74	-89.28	-49.88	-98.01	-90.75
3750	-101.29	-78.07	-57.19	-100.07	-85.88	-100.49	-85.12	-46.59	-98.47	-96.46
3900	-99.34	-94.12	-62.84	-98.64	-94.51	-91.81	-100.69	-51.84	-101.10	-98.50
4050	-103.31	-93.65	-67.76	-100.73	-100.32	-97.96	-99.43	-58.31	-98.21	-97.01
4200	-100.27	-97.11	-91.89	-98.65	-93.82	-85.18	-99.13	-66.98	-100.68	-95.44
4350	-103.52	-97.68	-95.59	-98.30	-94.37	-84.05	-97.84	-75.76	-96.96	-98.59
4500	-104.46	-100.28	-84.23	-104.68	-91.66	-88.25	-102.73	-88.92	-101.23	-95.15
4650	-100.98	-98.19	-78.42	-97.94	-83.28	-86.51	-100.51	-79.15	-102.41	-85.67
4800	-99.92	-100.08	-83.18	-99.64	-90.93	-94.67	-101.78	-76.36	-98.83	-75.62
4950	-105.05	-97.14	-88.80	-98.66	-94.27	-97.10	-96.87	-71.67	-102.86	-94.23
5100	-99.30	-97.61	-84.23	-97.79	-92.28	-96.86	-100.68	-67.33	-95.30	-93.74
5250	-97.95	-99.97	-83.14	-99.43	-95.37	-98.34	-99.05	-67.06	-99.92	-97.95
5400	-78.42	-101.55	-85.35	-98.26	-98.01	-86.44	-103.05	-66.76	-99.46	-95.44
5550	-77.63	-101.10	-89.14	-98.31	-93.75	-84.96	-98.75	-76.62	-95.24	-94.82
5700	-76.69	-102.37	-92.00	-99.17	-98.42	-87.09	-95.88	-77.92	-93.21	-92.25
5850	-73.03	-98.01	-88.83	-97.47	-100.25	-84.76	-99.84	-78.38	-101.06	-87.05
6000	-70.26	-98.11	-95.84	-94.88	-94.14	-80.82	-99.75	-86.43	-97.26	-92.60

Notes

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



Typical Performance Data

Frequency (MHz)	Phase Noise (dBc/Hz)				
	+25°C				
	100Hz	1kHz	10kHz	100kHz	1MHz
10	-129.57	-137.53	-141.47	-141.78	-141.89
25	-122.87	-135.61	-139.91	-144.34	-144.98
47	-114.84	-130.95	-136.29	-144.21	-147.71
94	-111.27	-126.94	-130.52	-139.25	-149.34
188	-104.52	-121.12	-125.52	-134.85	-149.60
375	-101.19	-113.08	-119.02	-128.91	-149.61
750	-92.48	-107.86	-112.89	-122.63	-148.24
1000	-89.96	-106.54	-110.83	-115.90	-145.66
1500	-89.15	-104.03	-106.96	-116.31	-144.22
2000	-81.53	-100.33	-105.23	-109.33	-141.09
2500	-79.54	-98.78	-103.31	-105.49	-138.69
3000	-80.67	-96.73	-101.23	-103.03	-136.27
3500	-80.50	-96.52	-99.42	-103.94	-135.07
4000	-75.93	-92.80	-98.95	-103.30	-135.01
4500	-72.58	-92.96	-96.27	-106.71	-135.16
5000	-74.50	-91.14	-97.30	-99.35	-132.66
6000	-72.96	-90.38	-95.33	-97.39	-130.64

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-Circuit's 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-Circuit's website at www.minicircuits.com/MCLStore/terms.jsp



USB Synthesized Signal Generator

SSG-6001RC

Typical Performance Data

Frequency Offset (kHz)	Phase Noise (dBc/Hz) @Offsets at 1MHz Frequency Resolution								
	25 MHz	47 MHz	94 MHz	188 MHz	375 MHz	750 MHz	1500 MHz	3000 MHz	6000 MHz
0.10	-121.34	-116.75	-110.75	-106.15	-99.09	-92.78	-88.29	-79.42	-76.34
0.13	-124.30	-117.16	-113.00	-106.20	-101.39	-97.45	-89.47	-84.24	-76.86
0.17	-125.25	-119.63	-115.26	-109.32	-103.10	-99.10	-92.95	-85.24	-79.32
0.21	-127.75	-122.77	-118.31	-112.20	-107.11	-100.54	-93.13	-88.67	-80.48
0.27	-127.75	-125.66	-118.91	-112.42	-106.58	-99.75	-98.93	-89.63	-83.44
0.35	-130.82	-126.98	-121.31	-114.77	-110.52	-102.85	-98.72	-91.39	-84.41
0.45	-132.69	-129.57	-121.87	-117.57	-109.90	-105.78	-99.11	-94.62	-88.12
0.58	-132.15	-128.32	-125.56	-118.80	-112.40	-106.50	-101.45	-94.17	-89.30
0.74	-132.61	-131.11	-126.59	-120.07	-114.81	-108.07	-103.82	-96.07	-89.15
1.00	-134.50	-132.21	-124.59	-121.27	-115.16	-108.04	-102.65	-96.26	-89.73
1.22	-136.05	-132.90	-124.94	-120.98	-114.84	-108.53	-103.74	-96.26	-91.48
1.56	-137.28	-132.74	-126.54	-120.99	-114.32	-108.57	-103.48	-96.02	-90.38
2.01	-137.57	-132.42	-126.91	-120.56	-114.64	-108.38	-102.99	-96.10	-90.44
2.58	-137.23	-132.87	-125.98	-120.14	-113.20	-107.51	-101.78	-95.99	-89.72
3.31	-137.77	-133.09	-127.31	-121.36	-115.04	-109.47	-103.51	-96.91	-91.37
4.25	-138.45	-134.49	-128.39	-121.60	-116.51	-109.44	-103.47	-97.49	-91.78
5.46	-139.56	-134.28	-129.17	-123.49	-116.49	-110.56	-104.54	-98.67	-92.71
7.01	-139.45	-135.19	-129.74	-123.78	-118.22	-111.23	-105.28	-99.13	-93.88
10.00	-140.33	-136.50	-130.61	-124.76	-118.50	-112.68	-107.01	-100.52	-95.19
11.55	-140.82	-136.92	-130.71	-124.93	-119.16	-112.69	-106.83	-100.72	-95.17
14.83	-140.51	-136.91	-131.43	-125.56	-119.37	-113.24	-107.21	-101.78	-96.17
19.04	-140.73	-137.29	-131.65	-125.91	-119.49	-113.43	-107.49	-102.29	-96.66
24.45	-141.04	-137.53	-132.01	-126.06	-119.84	-113.74	-108.04	-102.88	-97.06
31.39	-141.46	-137.75	-132.04	-125.92	-120.12	-113.95	-108.09	-103.30	-97.43
40.31	-141.20	-138.10	-132.28	-126.43	-120.36	-114.16	-108.42	-103.14	-97.44
51.75	-141.41	-138.74	-133.12	-127.30	-121.25	-115.12	-108.87	-102.82	-97.30
66.45	-142.79	-140.45	-134.98	-129.48	-123.34	-117.15	-110.73	-102.33	-96.87
85.32	-143.99	-142.86	-137.85	-132.57	-126.61	-120.56	-113.95	-102.30	-96.47
100.00	-144.46	-144.29	-139.44	-134.93	-128.92	-122.91	-116.29	-102.89	-97.32
140.66	-145.13	-146.51	-142.24	-140.24	-134.65	-128.65	-122.31	-108.98	-103.35
180.60	-145.17	-147.20	-143.42	-143.62	-138.56	-132.80	-126.59	-114.48	-108.94
231.88	-145.23	-147.45	-145.15	-145.75	-141.85	-136.17	-130.17	-119.16	-113.61
297.73	-145.29	-147.74	-147.49	-147.17	-144.18	-139.00	-133.03	-122.95	-117.33
382.28	-145.31	-147.72	-148.88	-148.03	-146.06	-141.46	-135.66	-126.24	-120.51
490.84	-145.26	-147.46	-149.36	-148.85	-147.53	-143.57	-138.16	-129.09	-123.45
630.23	-143.08	-147.80	-149.48	-149.30	-148.55	-145.51	-140.47	-131.76	-126.09
809.20	-145.28	-147.74	-149.44	-149.45	-149.22	-147.20	-142.56	-134.18	-128.51
1000.00	-144.93	-147.86	-149.31	-149.58	-149.68	-148.29	-144.21	-136.17	-130.43

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-Circuit's 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 thereon, please visit Mini-Circuit's website at www.minicircuits.com/MCLStore/terms.jsp



USB Synthesized Signal Generator

SSG-6001RC

Typical Performance Data

Frequency (MHz)	Spurious vs. Frequency Offset (dBc)									
	Spurious @-10kHz Offset	Spurious@ +10kHz Offset	Spurious @-20kHz Offset	Spurious @+20kHz Offset	Spurious @-50kHz Offset	Spurious @+50kHz Offset	Spurious @-70kHz Offset	Spurious @+70kHz Offset	Spurious @-90kHz Offset	Spurious @+90kHz Offset
1.1	-86.76	-82.74	-78.61	-81.54	-76.55	-75.39	-79.22	-75.64	-76.80	-78.44
25	-96.48	-90.86	-91.52	-88.23	-82.90	-80.35	-74.59	-70.56	-74.14	-73.96
47	-95.85	-94.88	-88.47	-92.66	-78.89	-77.97	-72.07	-72.62	-76.56	-75.56
94	-96.14	-96.84	-90.89	-92.24	-79.46	-77.13	-77.73	-76.99	-75.26	-76.31
188	-94.87	-93.83	-91.08	-86.23	-84.01	-75.62	-75.23	-72.79	-74.26	-73.32
375	-95.16	-90.86	-91.09	-84.58	-79.38	-78.55	-74.49	-74.82	-75.54	-72.34
750	-90.89	-92.47	-84.94	-86.06	-80.18	-77.40	-76.22	-73.19	-76.61	-77.87
1500	-96.34	-94.45	-88.98	-88.92	-79.09	-80.44	-71.24	-71.59	-75.06	-71.38
3000	-86.36	-84.54	-84.85	-83.60	-78.26	-73.28	-72.31	-72.17	-73.92	-75.18
6000	-77.11	-72.51	-77.79	-76.44	-69.18	-68.50	-65.18	-66.13	-65.45	-65.06

Frequency (MHz)	Spurious vs. Frequency Offset (dBc)									
	Spurious @-100kHz Offset	Spurious @+100kHz Offset	Spurious @-200kHz Offset	Spurious @+200kHz Offset	Spurious @-500kHz Offset	Spurious @+500kHz Offset	Spurious @-700kHz Offset	Spurious @+700kHz Offset	Spurious @-900kHz Offset	Spurious @+900kHz Offset
1.1	-86.76	-82.74	-78.61	-81.54	-76.55	-75.39	-79.22	-75.64	-76.80	-78.44
25	-96.48	-90.86	-91.52	-88.23	-82.90	-80.35	-74.59	-70.56	-74.14	-73.96
47	-95.85	-94.88	-88.47	-92.66	-78.89	-77.97	-72.07	-72.62	-76.56	-75.56
94	-96.14	-96.84	-90.89	-92.24	-79.46	-77.13	-77.73	-76.99	-75.26	-76.31
188	-94.87	-93.83	-91.08	-86.23	-84.01	-75.62	-75.23	-72.79	-74.26	-73.32
375	-95.16	-90.86	-91.09	-84.58	-79.38	-78.55	-74.49	-74.82	-75.54	-72.34
750	-90.89	-92.47	-84.94	-86.06	-80.18	-77.40	-76.22	-73.19	-76.61	-77.87
1500	-96.34	-94.45	-88.98	-88.92	-79.09	-80.44	-71.24	-71.59	-75.06	-71.38
3000	-86.36	-84.54	-84.85	-83.60	-78.26	-73.28	-72.31	-72.17	-73.92	-75.18
6000	-77.11	-72.51	-77.79	-76.44	-69.18	-68.50	-65.18	-66.13	-65.45	-65.06

Frequency (MHz)	Spurious vs. Frequency Offset (dBc)			
	Spurious @-1MHz Offset	Spurious @+1MHz Offset	Spurious @-50MHz Offset	Spurious @+50MHz Offset
1.1	-86.76	-82.74	-	-81.54
25	-96.48	-90.86	-	-88.23
47	-95.85	-94.88	-	-92.66
94	-96.14	-96.84	-90.89	-92.24
188	-94.87	-93.83	-91.08	-86.23
375	-95.16	-90.86	-91.09	-84.58
750	-90.89	-92.47	-84.94	-86.06
1500	-96.34	-94.45	-88.98	-88.92
3000	-86.36	-84.54	-84.85	-83.60
6000	-77.11	-72.51	-77.79	-76.44

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-Circuit's 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-Circuit's website at www.minicircuits.com/MCLStore/terms.jsp

