

Voltage Controlled Oscillator

ROS-EDR10796/1MP

Typical Performance Data

V TUNE	TUNE SENS (MHz/V)	FREQUENCY (MHz)			POWER OUTPUT (dBm)			HARMONICS (dBc)					FREQ. PUSH (MHz/V)
		-55°C	+25°C	+85°C	-55°C	+25°C	+85°C	F0.5	F1.5	F2	F3	F4	
0.00	13.14	4854.9	4844.7	4841.0	4.65	3.41	2.66	-30.9	-35.7	-49.1	-31.2	-54.2	1.75
0.25	12.00	4858.0	4848.0	4844.5	4.70	3.46	2.65	-30.9	-33.6	-47.7	-31.5	-55.8	1.78
0.50	11.25	4860.9	4851.0	4847.5	4.76	3.55	2.63	-30.9	-31.8	-46.8	-31.6	-56.1	1.80
0.75	10.69	4863.6	4853.8	4850.4	4.83	3.64	2.63	-31.0	-30.8	-46.9	-31.6	-56.3	1.81
1.00	10.29	4866.1	4856.5	4853.1	4.90	3.72	2.67	-31.0	-30.4	-48.0	-31.3	-55.9	1.81
1.25	10.00	4868.6	4859.0	4855.7	4.97	3.77	2.73	-31.0	-30.2	-50.0	-31.0	-55.8	1.80
1.50	9.80	4871.1	4861.5	4858.2	5.03	3.82	2.79	-31.0	-30.2	-52.5	-30.9	-57.3	1.80
1.75	9.68	4873.5	4864.0	4860.7	5.09	3.87	2.85	-31.1	-30.4	-54.2	-30.9	-56.9	1.80
2.00	9.62	4875.8	4866.4	4863.1	5.14	3.91	2.91	-31.1	-30.6	-55.7	-31.0	-58.3	1.80
2.25	9.61	4878.2	4868.8	4865.5	5.18	3.95	2.96	-31.1	-30.7	-55.2	-31.4	-59.6	1.80
2.50	9.61	4880.6	4871.2	4867.9	5.23	4.00	3.01	-31.1	-30.9	-54.4	-31.9	-59.4	1.80
2.75	9.63	4883.0	4873.6	4870.3	5.28	4.06	3.05	-31.1	-31.2	-53.2	-32.7	-59.6	1.80
3.00	9.68	4885.4	4876.0	4872.7	5.35	4.11	3.08	-31.2	-31.5	-51.8	-33.6	-60.2	1.80
3.25	9.77	4887.9	4878.5	4875.1	5.44	4.16	3.11	-31.2	-31.9	-50.2	-34.2	-59.7	1.80
3.50	9.89	4890.3	4880.9	4877.6	5.53	4.20	3.14	-31.3	-32.6	-48.7	-34.4	-60.7	1.80
3.75	10.04	4892.8	4883.4	4880.0	5.57	4.25	3.17	-31.3	-34.0	-47.2	-34.2	-60.3	1.80
4.00	10.22	4895.4	4885.9	4882.5	5.62	4.30	3.20	-31.4	-36.6	-45.8	-33.8	-61.2	1.80
4.25	10.42	4898.0	4888.4	4885.0	5.66	4.35	3.22	-31.5	-42.3	-44.9	-33.3	-62.2	1.81
4.50	10.63	4900.6	4891.0	4887.6	5.69	4.41	3.25	-31.5	-49.4	-44.9	-33.0	-62.8	1.81
4.75	10.89	4903.3	4893.7	4890.2	5.72	4.45	3.29	-31.6	-40.7	-46.4	-32.8	-64.1	1.82
5.00	11.18	4906.1	4896.4	4892.9	5.75	4.48	3.34	-31.6	-36.5	-48.7	-32.7	-65.8	1.83
5.25	11.47	4908.9	4899.2	4895.7	5.75	4.51	3.37	-31.7	-34.2	-51.6	-32.7	-63.4	1.84
5.50	11.79	4911.9	4902.1	4898.5	5.73	4.53	3.39	-31.8	-32.8	-54.6	-32.9	-64.8	1.85
5.75	12.17	4914.9	4905.0	4901.4	5.72	4.53	3.40	-31.8	-31.8	-57.9	-33.1	-65.3	1.86
6.00	12.55	4918.0	4908.1	4904.4	5.70	4.54	3.40	-31.8	-31.2	-59.6	-33.4	-66.8	1.87
6.25	12.94	4921.1	4911.2	4907.5	5.66	4.54	3.41	-31.8	-30.8	-59.3	-33.6	-67.4	1.87
6.50	13.37	4924.5	4914.4	4910.7	5.70	4.53	3.42	-31.8	-30.5	-56.7	-33.8	-67.2	1.88
6.75	13.83	4927.9	4917.8	4914.0	5.80	4.50	3.42	-31.8	-30.3	-53.5	-33.7	-68.6	1.89
7.00	13.83	4931.5	4921.2	4917.4	5.91	4.48	3.42	-31.8	-30.2	-50.4	-33.6	-69.4	1.90

FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
1	-83
10	-108
100	-128
1000	-149

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/MCStore/terms.jsp

