

Voltage Controlled Oscillator

ROS-EDR9293

Typical Performance Data

V TUNE	TUNE SENS (MHz/V)	FREQUENCY (MHz)			POWER OUTPUT (dBm)			HARMONICS (dBc)			FREQ. PUSH (MHz/V)	FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
		-55°C	+25°C	+85°C	-55°C	+25°C	+85°C	F2	F3	F4			
0.0	71.39	4474.3	4450.2	4445.9	1.01	0.03	-3.66	-30.0	-39.9	-42.4	4.75	1	-64
0.5	58.05	4507.0	4485.9	4480.7	0.98	-0.02	-2.31	-30.2	-37.9	-40.1	4.62	10	-90
1.0	52.55	4534.9	4514.9	4509.1	0.98	0.05	-1.87	-29.5	-37.2	-38.5	4.76	100	-113
1.5	48.24	4560.1	4541.2	4535.0	0.85	0.04	-1.67	-29.3	-36.2	-37.9	4.97	1000	-134
2.0	46.78	4583.9	4565.3	4559.6	0.90	-0.03	-1.66	-29.6	-34.7	-36.7	5.04		
2.5	44.76	4606.4	4588.7	4582.8	0.90	0.00	-1.51	-29.9	-32.9	-35.7	5.05		
3.0	44.30	4628.7	4611.1	4605.1	0.91	0.03	-1.40	-29.7	-31.8	-35.4	5.23		
3.5	45.11	4650.9	4633.2	4627.1	0.89	0.05	-1.34	-29.4	-31.5	-35.3	5.20		
4.0	46.06	4673.4	4655.8	4649.0	0.87	0.06	-1.33	-29.3	-32.4	-35.8	5.49		
4.5	46.96	4696.3	4678.8	4672.1	0.84	0.02	-1.25	-29.0	-35.3	-36.3	5.55		
5.0	48.57	4719.9	4702.3	4695.2	0.84	0.05	-1.20	-28.9	-35.0	-36.6	5.57		
5.5	51.78	4745.3	4726.6	4718.7	0.92	0.18	-1.13	-28.8	-33.3	-37.7	5.98		
6.0	52.65	4771.6	4752.5	4743.7	0.87	0.22	-0.93	-28.5	-31.7	-40.2	6.33		
6.5	52.93	4798.3	4778.8	4769.4	0.84	0.16	-0.88	-28.1	-30.1	-44.2	6.55		
7.0	52.77	4825.4	4805.3	4795.2	0.93	0.24	-0.84	-27.4	-28.5	-43.8	6.92		
7.5	53.90	4852.9	4831.7	4821.1	0.96	0.38	-0.66	-27.1	-26.5	-41.9	7.09		
8.0	54.00	4880.4	4858.6	4847.0	0.76	0.36	-0.52	-26.7	-24.5	-40.0	7.39		
8.5	52.02	4907.1	4885.6	4873.3	0.77	0.19	-0.63	-26.5	-22.8	-39.7	7.69		
9.0	53.24	4934.2	4911.6	4899.5	0.90	0.23	-0.68	-26.5	-21.8	-41.6	7.44		
9.5	54.45	4961.8	4938.2	4925.3	0.79	0.40	-0.53	-26.2	-21.1	-45.2	7.52		
10.0	53.53	4988.7	4965.5	4951.8	0.63	0.29	-0.46	-25.7	-20.2	-52.2	7.51		
10.5	54.22	5015.8	4992.2	4978.6	0.67	0.12	-0.61	-25.4	-19.6	-43.9	6.91		
11.0	55.18	5043.6	5019.3	5005.2	0.63	0.14	-0.67	-25.0	-19.2	-40.6	6.46		
11.5	55.30	5071.6	5046.9	5032.3	0.40	0.15	-0.68	-25.4	-19.0	-40.9	6.09		
12.0	54.20	5099.7	5074.6	5060.1	0.23	0.00	-0.74	-25.5	-18.6	-41.6	5.71		
12.5	52.20	5127.1	5101.7	5087.4	0.34	-0.18	-0.95	-25.8	-18.9	-40.9	5.65		
13.0	51.17	5153.9	5127.8	5113.9	0.26	-0.19	-1.02	-26.0	-19.3	-40.7	5.84		
13.5	50.29	5179.9	5153.4	5139.4	-0.12	-0.25	-1.03	-25.7	-20.9	-40.6	6.06		
14.0	47.13	5204.4	5178.5	5164.1	-0.40	-0.59	-1.17	-26.2	-23.4	-40.4	6.50		
14.5	45.39	5227.9	5202.1	5188.0	-0.41	-0.89	-1.52	-26.0	-30.0	-42.8	7.07		
15.0	44.05	5250.9	5224.8	5210.6	-0.48	-1.04	-1.82	-26.1	-48.4	-45.3	7.18		
15.5	41.35	5272.7	5246.8	5231.9	-0.79	-1.11	-1.95	-26.3	-29.6	-47.2	7.35		
16.0	36.59	5293.3	5267.5	5252.1	-1.17	-1.30	-2.04	-26.4	-26.0	-45.2	7.51		
16.5	34.68	5311.9	5285.8	5270.7	-1.33	-1.59	-2.24	-26.2	-25.0	-44.2	7.58		
17.0	34.68	5329.8	5303.1	5287.4	-1.38	-1.92	-2.51	-26.1	-22.8	-42.0	7.09		

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/MCStore/terms.jsp

