

Voltage Controlled Oscillator

ROS-EDR10219

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	61.60	5826.1	5796.8	5786.8	-0.05	-0.55	-1.48	-23.23	-35.02	-36.67	0.14	1	-67
0.3	57.21	5841.5	5812.2	5803.2	-0.03	-0.38	-1.41	-22.75	-36.31	-38.68	0.10	10	-94
0.5	54.78	5856.0	5826.5	5817.3	0.14	-0.27	-1.20	-22.67	-38.67	-37.75	0.05	100	-116
0.8	54.54	5869.5	5840.2	5830.9	0.22	-0.14	-1.09	-22.67	-40.46	-38.96	0.05	1000	-137
1.0	52.47	5882.6	5853.8	5844.1	0.21	-0.06	-0.91	-22.28	-43.14	-36.04	0.05		
1.3	50.73	5895.5	5867.0	5857.4	0.49	-0.03	-0.83	-22.34	-43.36	-37.28	0.04		
1.5	51.63	5908.9	5879.6	5870.0	0.47	0.02	-0.72	-22.36	-40.63	-37.79	0.02		
1.8	53.33	5921.7	5892.5	5882.6	0.47	0.10	-0.78	-22.35	-37.49	-37.48	0.05		
2.0	52.95	5934.5	5905.9	5895.3	0.48	0.18	-0.59	-22.76	-36.49	-36.87	0.09		
2.3	50.72	5947.5	5919.1	5908.5	0.50	0.12	-0.52	-23.01	-35.82	-37.02	0.08		
2.5	51.76	5960.4	5931.8	5921.5	0.58	0.10	-0.54	-23.22	-35.02	-37.38	0.07		
2.8	49.70	5974.6	5944.7	5933.8	0.71	0.08	-0.52	-23.13	-34.24	-38.22	0.03		
3.0	50.51	5987.6	5957.2	5946.4	0.66	0.18	-0.51	-23.40	-33.90	-37.78	0.07		
3.3	53.12	5999.9	5969.8	5958.5	0.62	0.31	-0.51	-23.67	-33.37	-38.65	0.09		
3.5	44.63	6011.8	5983.1	5970.2	0.56	0.33	-0.39	-23.08	-32.71	-38.63	0.14		
3.8	41.31	6022.8	5994.2	5982.6	0.53	0.32	-0.31	-23.03	-32.43	-37.49	0.13		
4.0	39.96	6033.0	6004.6	5993.3	0.69	0.31	-0.32	-23.19	-33.19	-37.23	0.24		
4.3	34.73	6042.8	6014.5	6002.6	0.76	0.24	-0.34	-22.92	-33.16	-35.00	0.32		
4.5	30.67	6052.3	6023.2	6011.5	0.83	0.24	-0.34	-22.56	-33.06	-34.72	0.30		
4.8	27.30	6060.5	6030.9	6019.5	0.74	0.24	-0.38	-22.76	-31.90	-33.19	0.24		
5.0	25.08	6067.3	6037.7	6026.4	0.69	0.26	-0.40	-22.74	-31.82	-34.51	0.20		
5.3	22.93	6073.4	6044.0	6032.5	0.68	0.31	-0.37	-22.77	-32.84	-34.00	0.18		
5.5	21.10	6078.7	6049.7	6037.9	0.68	0.38	-0.34	-22.85	-33.00	-33.77	0.11		
5.8	18.91	6083.4	6055.0	6042.8	0.68	0.40	-0.30	-22.69	-33.35	-34.99	0.02		
6.0	16.17	6087.5	6059.7	6047.2	0.67	0.38	-0.25	-22.50	-32.49	-34.22	0.06		
6.3	14.21	6091.1	6063.8	6051.4	0.66	0.36	-0.24	-22.31	-32.27	-34.75	0.12		
6.5	12.90	6094.5	6067.3	6055.2	0.66	0.34	-0.25	-22.33	-32.64	-34.47	0.16		
6.8	11.85	6097.6	6070.5	6058.9	0.64	0.34	-0.27	-22.08	-32.06	-33.97	0.19		
7.0	11.85	6100.4	6073.5	6062.1	0.64	0.34	-0.30	-22.15	-32.35	-34.32	0.23		

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

