

Voltage Controlled Oscillator

ROS-EDR11043

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	16.26	4875.8	4860.7	4857.7	3.98	4.19	4.22	-20.5	-55.8	-40.8	2.97	1	-77
0.3	14.55	4879.5	4864.7	4862.0	4.00	4.14	4.16	-20.2	-56.5	-41.0	2.99	10	-101
0.5	13.46	4882.9	4868.4	4865.7	4.00	4.09	4.10	-20.1	-56.5	-41.4	3.01	100	-123
0.8	12.73	4886.1	4871.7	4869.1	4.01	4.04	4.04	-20.1	-56.5	-41.6	3.02	1000	-143
1.0	12.21	4889.2	4874.9	4872.3	4.00	4.00	3.99	-19.9	-56.5	-41.4	3.04		
1.3	11.84	4892.2	4878.0	4875.3	4.00	3.98	3.94	-20.0	-56.4	-41.2	3.05		
1.5	11.57	4895.1	4880.9	4878.3	3.99	3.96	3.91	-19.8	-56.1	-41.0	3.07		
1.8	11.39	4897.9	4883.8	4881.1	4.00	3.95	3.88	-19.7	-57.1	-41.4	3.09		
2.0	11.26	4900.8	4886.7	4883.9	4.02	3.94	3.85	-19.7	-58.2	-42.0	3.11		
2.3	11.18	4903.6	4889.5	4886.7	4.03	3.93	3.83	-19.6	-57.7	-42.1	3.13		
2.5	11.14	4906.4	4892.3	4889.4	4.04	3.93	3.82	-19.7	-58.0	-42.0	3.16		
2.8	11.13	4909.1	4895.1	4892.1	4.04	3.93	3.81	-19.6	-57.5	-41.6	3.18		
3.0	11.15	4911.8	4897.9	4894.8	4.04	3.94	3.80	-19.8	-56.2	-41.4	3.20		
3.3	11.19	4914.5	4900.6	4897.5	4.02	3.94	3.79	-19.8	-56.1	-41.5	3.22		
3.5	11.24	4917.2	4903.4	4900.2	3.99	3.95	3.79	-20.2	-56.8	-41.2	3.23		
3.8	11.32	4920.0	4906.3	4903.0	3.94	3.96	3.79	-20.4	-56.6	-41.4	3.26		
4.0	11.41	4922.8	4909.1	4905.7	3.85	3.96	3.79	-20.4	-57.3	-41.5	3.27		
4.3	11.50	4925.8	4911.9	4908.5	3.72	3.97	3.80	-20.6	-55.8	-41.7	3.29		
4.5	11.62	4929.4	4914.8	4911.3	3.56	3.97	3.80	-20.6	-55.3	-41.4	3.30		
4.8	11.74	4933.5	4917.7	4914.1	3.52	3.98	3.80	-20.7	-55.8	-41.1	3.32		
5.0	11.87	4936.9	4920.6	4916.9	3.63	3.97	3.80	-20.6	-54.8	-40.6	3.33		
5.3	12.02	4939.8	4923.6	4919.8	3.73	3.97	3.81	-20.4	-55.3	-40.8	3.34		
5.5	12.19	4942.7	4926.6	4922.8	3.79	3.97	3.80	-20.3	-54.7	-40.7	3.35		
5.8	12.35	4945.6	4929.7	4925.7	3.81	3.96	3.80	-20.2	-54.2	-40.9	3.36		
6.0	12.52	4948.4	4932.8	4928.7	3.80	3.94	3.80	-20.2	-54.6	-40.6	3.37		
6.25	12.70	4951.4	4935.9	4931.8	3.77	3.93	3.80	-20.2	-53.0	-40.5	3.37		
6.5	12.88	4954.4	4939.1	4934.9	3.73	3.90	3.79	-20.1	-53.2	-40.2	3.38		
6.8	13.07	4957.4	4942.3	4938.1	3.67	3.88	3.77	-20.5	-53.2	-40.0	3.38		
7.0	13.07	4960.5	4945.6	4941.3	3.61	3.85	3.75	-20.7	-53.0	-39.6	3.38		

Notes

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