

Voltage Controlled Oscillator

ROS-ED9748/1

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			
0.2	17.02	888.3	884.7	880.8	-4.34	-3.96	-4.04	-19.9	-47.4	-46.6	0.13	1	-87
0.4	16.47	891.5	888.0	884.2	-4.56	-4.13	-4.15	-20.3	-46.7	-46.9	0.13	10	-110
0.6	16.18	894.8	891.3	887.4	-4.76	-4.27	-4.25	-20.7	-46.1	-45.9	0.11	100	-130
0.8	16.30	898.1	894.5	890.6	-4.94	-4.41	-4.35	-21.1	-44.9	-46.5	0.09	1000	-148
1.0	16.51	901.5	897.8	893.9	-5.10	-4.54	-4.44	-21.6	-45.7	-45.9	0.04		
1.2	17.18	905.0	901.3	897.2	-5.24	-4.65	-4.52	-22.0	-44.8	-45.0	0.02		
1.4	17.95	908.7	904.9	900.7	-5.34	-4.75	-4.60	-22.3	-45.1	-44.7	0.00		
1.6	18.78	912.5	908.6	904.4	-5.42	-4.82	-4.66	-22.8	-44.6	-44.0	0.02		
1.8	19.60	916.6	912.5	908.2	-5.48	-4.88	-4.71	-23.3	-44.7	-43.4	0.02		
2.0	20.66	920.8	916.7	912.2	-5.51	-4.90	-4.73	-23.7	-44.3	-42.5	0.02		
2.2	21.50	925.2	921.0	916.4	-5.51	-4.91	-4.73	-24.2	-44.2	-42.5	0.05		
2.4	22.06	929.7	925.4	920.8	-5.51	-4.89	-4.70	-24.6	-43.1	-41.9	0.00		
2.6	22.47	934.3	929.9	925.2	-5.50	-4.86	-4.66	-25.0	-42.9	-41.1	0.02		
2.8	22.58	938.8	934.4	929.7	-5.50	-4.83	-4.61	-25.3	-42.7	-40.4	0.05		
3.0	22.44	943.3	938.9	934.1	-5.49	-4.82	-4.56	-25.6	-42.1	-39.8	0.07		
3.2	22.05	947.7	943.3	938.5	-5.48	-4.80	-4.52	-25.9	-41.6	-39.0	0.12		
3.4	21.44	952.0	947.6	942.8	-5.47	-4.78	-4.49	-26.0	-41.3	-38.3	0.14		
3.6	20.57	956.0	951.7	947.0	-5.45	-4.75	-4.46	-26.2	-41.2	-38.0	0.19		
3.8	19.53	959.9	955.6	951.0	-5.42	-4.73	-4.44	-26.4	-40.5	-37.5	0.22		
4.0	18.38	963.6	959.3	954.7	-5.39	-4.70	-4.41	-26.5	-40.3	-37.2	0.24		
4.2	17.24	967.0	962.7	958.2	-5.34	-4.66	-4.37	-26.6	-39.6	-37.0	0.29		
4.4	15.82	970.1	965.9	961.4	-5.29	-4.61	-4.33	-26.7	-39.8	-36.8	0.29		
4.6	14.36	972.9	968.8	964.3	-5.23	-4.56	-4.28	-26.8	-39.7	-35.8	0.31		
4.8	12.92	975.4	971.3	966.9	-5.18	-4.51	-4.24	-26.8	-39.2	-35.4	0.29		
5.0	11.48	977.7	973.6	969.2	-5.12	-4.46	-4.19	-26.9	-39.2	-35.2	0.26		
5.2	9.99	979.6	975.6	971.3	-5.08	-4.41	-4.14	-27.0	-39.2	-35.0	0.24		
5.4	8.70	981.3	977.4	973.1	-5.03	-4.37	-4.10	-27.0	-39.1	-34.8	0.17		
5.6	7.45	982.7	978.9	974.6	-4.99	-4.32	-4.07	-27.1	-38.8	-34.6	0.10		
5.8	6.37	983.9	980.1	975.9	-4.96	-4.29	-4.03	-27.1	-38.8	-34.4	0.02		
6.0	5.40	985.0	981.2	977.0	-4.93	-4.26	-4.00	-27.1	-38.6	-34.4	0.02		
6.2	4.58	985.8	982.1	978.0	-4.90	-4.24	-3.98	-27.1	-38.9	-34.2	0.10		
6.4	3.87	986.6	982.9	978.8	-4.89	-4.21	-3.96	-27.1	-39.1	-34.1	0.15		
6.6	3.35	987.2	983.6	979.4	-4.87	-4.20	-3.94	-26.9	-38.8	-34.1	0.21		
6.8	2.86	987.7	984.2	980.0	-4.85	-4.18	-3.92	-27.1	-39.2	-34.0	0.24		
7.0	2.49	988.2	984.7	980.6	-4.84	-4.16	-3.90	-27.1	-38.6	-34.0	0.26		
7.2	2.20	988.6	985.1	981.0	-4.83	-4.15	-3.89	-27.1	-38.8	-33.8	0.29		
7.4	1.96	989.0	985.5	981.4	-4.82	-4.14	-3.88	-27.1	-38.9	-33.9	0.33		
7.6	1.74	989.3	985.8	981.8	-4.81	-4.13	-3.87	-27.1	-38.8	-33.8	0.33		
7.8	1.54	989.6	986.1	982.1	-4.80	-4.12	-3.86	-27.1	-38.7	-33.8	0.35		
8.0	1.51	989.9	986.4	982.4	-4.79	-4.12	-3.85	-27.1	-39.2	-33.8	0.35		