

Voltage Controlled Oscillator

ROS-ED10381/1

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			
0.0	25.89	169.1	166.3	164.4	0.57	0.78	0.61	-18.7	-46.8	-53.3	0.45	1	-89
0.1	24.74	172.2	169.5	167.7	0.54	0.79	0.62	-18.7	-45.0	-51.7	0.59	10	-114
0.3	23.84	175.2	172.6	170.8	0.79	0.81	0.76	-18.7	-43.4	-50.1	0.79	100	-134
0.4	23.19	178.2	175.5	173.8	1.10	0.96	0.97	-18.9	-42.5	-49.1	1.08	1000	-154
0.5	23.40	181.2	178.4	176.7	1.38	1.16	1.21	-19.1	-41.8	-48.1	1.46		
0.6	22.54	184.1	181.4	179.7	1.51	1.28	1.32	-19.4	-41.3	-47.0	1.54		
0.8	21.05	186.9	184.2	182.5	1.58	1.42	1.46	-19.7	-41.2	-46.5	1.39		
0.9	20.68	189.5	186.8	185.1	1.53	1.48	1.55	-20.0	-41.0	-45.9	1.27		
1.0	19.67	192.1	189.4	187.7	1.45	1.51	1.58	-20.2	-40.9	-45.0	1.13		
1.1	19.05	194.5	191.8	190.1	1.29	1.52	1.62	-20.5	-40.7	-44.6	1.05		
1.3	18.50	196.8	194.2	192.5	1.19	1.52	1.59	-20.8	-40.5	-44.2	0.97		
1.4	17.80	199.1	196.5	194.8	1.02	1.52	1.60	-21.0	-40.5	-44.1	0.92		
1.5	17.44	201.3	198.7	197.0	0.82	1.50	1.59	-21.2	-40.4	-43.7	0.87		
1.6	16.91	203.5	200.9	199.1	0.64	1.47	1.57	-21.4	-40.4	-43.5	0.83		
1.8	16.43	205.6	203.0	201.2	0.49	1.46	1.54	-21.6	-40.3	-43.2	0.80		
1.9	16.18	207.6	205.0	203.3	0.33	1.43	1.51	-21.8	-40.1	-43.0	0.78		
2.0	15.69	209.6	207.0	205.3	0.18	1.37	1.46	-22.0	-40.4	-42.4	0.77		
2.1	15.48	211.6	209.0	207.3	0.02	1.31	1.41	-22.1	-40.0	-42.5	0.77		
2.3	15.12	213.5	210.9	209.2	-0.13	1.29	1.38	-22.2	-40.0	-42.3	0.76		
2.4	14.52	215.4	212.8	211.1	-0.28	1.24	1.31	-22.4	-40.0	-42.2	0.77		
2.5	14.53	217.2	214.6	212.9	-0.42	1.18	1.27	-22.5	-39.9	-42.1	0.77		
2.6	14.12	219.0	216.4	214.8	-0.57	1.12	1.23	-22.6	-39.7	-41.9	0.78		
2.8	13.86	220.7	218.2	216.5	-0.74	1.04	1.13	-22.7	-39.6	-41.5	0.77		
2.9	13.59	222.5	219.9	218.3	-0.88	0.97	1.07	-22.8	-39.6	-41.4	0.78		
3.0	13.23	224.2	221.6	220.0	-1.07	0.90	1.00	-22.9	-39.6	-41.4	0.79		
3.1	12.97	225.8	223.3	221.6	-1.21	0.86	0.94	-22.9	-39.2	-41.1	0.80		
3.3	12.79	227.4	224.9	223.3	-1.40	0.68	0.78	-23.0	-39.3	-40.9	0.80		
3.4	12.42	229.0	226.5	224.9	-1.61	0.59	0.73	-23.0	-39.1	-40.7	0.81		
3.5	12.13	230.6	228.1	226.4	-1.84	0.54	0.66	-23.1	-39.0	-40.2	0.80		
3.6	11.81	232.1	229.6	228.0	-1.99	0.46	0.56	-23.2	-38.9	-40.5	0.82		
3.8	11.53	233.6	231.1	229.4	-2.16	0.36	0.46	-23.3	-38.8	-40.0	0.81		
3.9	11.34	235.0	232.5	230.9	-2.31	0.29	0.37	-23.2	-38.5	-40.0	0.82		
4.0	11.01	236.4	234.0	232.3	-2.48	0.20	0.32	-23.3	-38.5	-39.7	0.80		
4.1	10.61	237.8	235.3	233.7	-2.77	0.04	0.18	-23.2	-38.5	-39.4	0.81		
4.3	10.50	239.1	236.7	235.0	-2.89	-0.02	0.11	-23.3	-38.3	-39.4	0.79		
4.4	10.17	240.4	238.0	236.4	-3.00	-0.18	-0.01	-23.3	-38.3	-39.4	0.78		
4.5	9.89	241.7	239.3	237.6	-3.20	-0.30	-0.15	-23.3	-38.2	-39.1	0.78		
4.6	9.65	242.9	240.5	238.9	-3.34	-0.39	-0.20	-23.3	-38.0	-38.9	0.76		
4.8	9.39	244.1	241.7	240.1	-3.44	-0.46	-0.28	-23.3	-38.1	-38.8	0.75		
4.9	9.12	245.3	242.9	241.3	-3.51	-0.61	-0.44	-23.3	-37.8	-38.5	0.72		
5.0	8.87	246.5	244.1	242.4	-3.60	-0.66	-0.48	-23.2	-37.8	-38.4	0.72		
5.1	8.64	247.6	245.2	243.6	-3.58	-0.71	-0.54	-23.3	-37.8	-38.3	0.71		
5.3	8.33	248.7	246.3	244.7	-3.62	-0.79	-0.64	-23.3	-37.6	-38.2	0.69		
5.4	8.14	249.7	247.3	245.7	-3.67	-0.92	-0.71	-23.2	-37.4	-37.9	0.67		
5.5	7.93	250.7	248.3	246.7	-3.73	-0.97	-0.79	-23.3	-37.2	-37.9	0.64		
5.6	7.69	251.7	249.4	247.8	-3.77	-1.07	-0.85	-23.3	-37.3	-37.7	0.65		
5.8	7.44	252.7	250.3	248.7	-3.81	-1.16	-0.96	-23.3	-37.3	-37.6	0.62		
5.9	7.24	253.6	251.3	249.7	-3.84	-1.22	-1.04	-23.2	-37.1	-37.6	0.59		