

Voltage Controlled Oscillator

ROS-ED9003A/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	42.90	200.5	195.7	193.8	3.28	2.85	2.72	-7.7	-24.5	-29.3	0.47	1	-75
0.4	40.07	208.4	203.7	201.8	3.15	2.89	2.81	-8.2	-24.5	-28.4	0.29	10	-102
0.6	37.29	215.8	211.2	209.3	2.91	2.80	2.71	-8.8	-25.9	-29.2	0.10	100	-122
0.8	34.55	222.3	218.1	216.3	2.71	2.63	2.51	-9.8	-27.8	-31.1	0.34	1000	-140
1.0	35.08	228.6	225.1	223.5	2.64	2.47	2.38	-11.0	-29.5	-31.4	0.03		
1.2	37.20	235.6	232.5	230.9	2.60	2.44	2.29	-12.1	-29.6	-30.7	0.78		
1.4	39.35	243.6	240.4	238.8	2.66	2.51	2.39	-12.6	-30.1	-33.0	1.36		
1.6	39.63	251.7	248.3	246.7	2.85	2.80	2.45	-12.5	-32.7	-34.6	1.48		
1.8	40.22	259.4	256.4	254.8	3.08	2.78	2.59	-13.1	-36.1	-34.4	1.66		
2.0	40.53	267.4	264.5	262.7	3.14	2.84	2.68	-14.8	-37.3	-35.8	1.72		
2.2	39.17	275.6	272.3	270.4	3.05	2.95	2.83	-16.6	-36.7	-37.6	1.70		
2.4	37.66	283.4	279.8	277.8	3.07	3.07	2.96	-18.1	-37.8	-36.8	1.77		
2.6	36.46	290.8	287.1	285.4	3.24	3.23	3.06	-18.7	-40.7	-36.7	2.06		
2.8	38.96	297.8	294.9	293.4	3.50	3.27	3.07	-19.2	-43.3	-39.7	2.68		
3.0	39.63	305.1	302.8	301.1	3.61	3.29	3.10	-19.6	-43.3	-40.4	2.85		
3.2	37.92	312.8	310.4	308.6	3.51	3.26	3.18	-20.3	-42.2	-38.8	2.89		
3.4	35.78	320.3	317.6	315.6	3.36	3.31	3.26	-21.3	-41.9	-38.8	2.95		
3.6	33.69	327.4	324.3	322.2	3.24	3.33	3.33	-22.2	-43.1	-39.4	3.02		
3.8	31.73	334.1	330.7	328.5	3.09	3.33	3.36	-22.8	-44.1	-38.8	3.10		
4.0	30.52	340.5	336.8	335.1	2.94	3.30	3.19	-22.9	-45.0	-38.6	3.41		
4.2	32.48	346.4	343.3	342.2	2.79	2.94	2.75	-22.7	-47.9	-39.8	4.42		
4.4	35.33	352.3	350.3	349.1	2.63	2.36	2.16	-22.8	-52.4	-41.8	4.63		
4.6	33.88	358.8	357.1	355.7	2.18	1.82	1.69	-22.9	-50.7	-42.0	4.48		
4.8	31.49	365.4	363.4	361.7	1.66	1.40	1.33	-23.5	-48.5	-40.1	4.27		
5.0	29.25	371.7	369.3	367.3	1.28	1.13	1.08	-24.5	-44.8	-38.9	4.08		
5.2	26.87	377.4	374.6	372.5	1.05	0.96	0.96	-25.3	-44.2	-39.2	3.90		
5.4	24.75	382.7	379.6	377.3	1.02	0.93	0.89	-26.0	-43.2	-38.8	3.72		
5.6	22.67	387.6	384.1	381.6	1.05	0.98	0.93	-26.4	-42.6	-38.6	3.54		
5.8	20.87	392.1	388.3	385.6	1.08	1.10	1.05	-26.5	-43.5	-37.6	3.36		
6.0	18.95	396.2	392.1	389.3	1.17	1.19	1.20	-26.4	-45.8	-37.0	3.19		
6.2	17.52	400.0	395.6	392.7	1.25	1.36	1.33	-26.2	-47.0	-37.3	3.02		
6.4	16.03	403.5	398.8	396.1	1.32	1.49	1.38	-25.7	-48.5	-38.7	2.87		
6.6	14.88	406.7	401.8	399.5	1.37	1.61	1.36	-25.1	-48.1	-39.4	2.79		
6.8	14.12	409.6	404.6	402.7	1.39	1.66	1.29	-24.6	-48.6	-40.4	2.82		
7.0	13.95	412.2	407.4	405.8	1.40	1.65	1.19	-24.4	-49.3	-41.6	2.90		
7.2	13.80	414.7	410.1	408.7	1.36	1.54	1.06	-24.5	-48.9	-42.3	2.87		
7.4	13.35	416.9	412.8	411.3	1.32	1.37	0.94	-24.4	-48.3	-43.1	2.72		
7.6	12.53	419.0	415.3	413.8	1.20	1.23	0.79	-24.7	-47.7	-43.6	2.51		
7.8	11.52	421.1	417.6	416.0	1.04	1.02	0.66	-25.1	-46.7	-44.2	2.26		