

Voltage Controlled Oscillator

ROS-ED9580/1

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	36.82	165.1	162.0	159.9	0.74	0.90	0.85	-6.3	-22.1	-27.3	0.05	1	-80
0.4	31.97	171.0	168.4	166.7	0.73	0.96	0.95	-7.5	-23.0	-28.1	0.27	10	-102
0.6	30.72	176.9	174.6	173.0	0.71	0.92	0.92	-8.7	-24.0	-29.3	0.03	100	-122
0.8	32.15	183.3	181.0	179.4	0.65	0.83	0.84	-9.8	-25.2	-30.1	0.59	1000	-142
1.0	33.82	190.1	187.8	186.2	0.73	0.89	0.94	-11.0	-26.2	-31.4	0.83		
1.2	33.47	197.0	194.5	193.0	0.86	0.97	0.94	-12.2	-27.6	-32.3	0.67		
1.4	33.18	203.7	201.1	199.6	0.98	1.14	1.10	-13.6	-28.7	-33.2	0.62		
1.6	33.13	210.3	207.7	206.2	1.16	1.21	1.24	-14.8	-30.3	-34.1	0.64		
1.8	33.12	216.9	214.3	212.7	1.37	1.41	1.35	-16.0	-31.3	-35.1	0.72		
2.0	32.64	223.7	220.9	219.2	1.41	1.52	1.45	-17.1	-32.3	-35.6	0.81		
2.2	32.46	230.5	227.4	225.8	1.51	1.64	1.55	-18.1	-33.3	-36.1	1.01		
2.4	32.89	237.0	233.9	232.4	1.67	1.75	1.63	-19.3	-34.8	-36.7	1.28		
2.6	33.40	243.3	240.6	239.0	1.71	1.74	1.66	-20.5	-35.9	-38.1	1.56		
2.8	33.08	249.8	247.2	245.4	1.89	1.75	1.70	-21.4	-36.8	-38.1	1.76		
3.0	32.06	256.6	253.6	251.7	1.73	1.83	1.88	-22.4	-37.5	-38.2	1.93		
3.2	30.65	263.1	259.8	258.0	1.89	1.89	1.82	-23.1	-37.9	-38.3	2.15		
3.4	30.33	269.2	265.8	264.3	1.84	2.02	1.91	-23.9	-38.5	-38.3	2.55		
3.6	31.38	274.9	272.1	270.6	1.87	1.87	1.76	-24.5	-39.3	-39.2	3.02		
3.8	31.85	280.6	278.5	276.9	1.83	1.76	1.66	-25.4	-40.3	-39.6	3.19		
4.0	30.38	286.6	284.6	282.7	1.65	1.62	1.60	-25.9	-40.3	-39.5	3.21		
4.2	28.34	292.7	290.2	288.2	1.37	1.45	1.47	-26.3	-40.3	-38.9	3.17		
4.4	26.21	298.4	295.5	293.4	1.17	1.23	1.27	-26.4	-39.3	-38.4	3.13		
4.6	24.25	303.7	300.3	298.2	0.93	1.15	1.18	-26.4	-39.2	-38.0	3.09		
4.8	22.55	308.5	304.8	303.0	0.60	1.01	0.97	-26.5	-38.8	-37.5	3.11		
5.0	21.77	312.8	309.2	307.7	0.54	0.72	0.58	-26.6	-39.2	-37.6	3.34		
5.2	21.79	316.8	313.5	312.3	0.39	0.58	0.26	-26.8	-40.3	-38.1	3.59		
5.4	21.78	320.5	317.9	316.7	0.31	0.31	0.08	-27.0	-41.4	-38.9	3.59		
5.6	20.78	323.9	322.1	320.8	-0.06	0.01	-0.16	-27.4	-42.3	-39.7	3.40		
5.8	19.36	327.3	325.9	324.5	-0.23	-0.62	-0.66	-27.6	-42.5	-39.5	3.14		
6.0	17.72	330.7	329.5	327.9	-0.25	-0.57	-0.65	-27.6	-42.4	-39.6	2.86		
6.2	16.20	334.0	332.7	331.0	-0.57	-0.83	-0.86	-27.7	-42.4	-39.9	2.58		
6.4	14.64	337.2	335.6	333.8	-0.87	-1.04	-1.07	-27.7	-41.6	-38.7	2.31		
6.6	13.44	340.1	338.3	336.3	-1.21	-1.29	-1.23	-27.6	-42.2	-38.3	2.07		
6.8	11.97	342.7	340.7	338.6	-1.54	-1.46	-1.43	-27.5	-41.3	-37.6	1.79		
7.0	10.78	345.0	342.9	340.7	-1.77	-1.70	-1.57	-27.7	-40.5	-36.8	1.56		