

Voltage Controlled Oscillator

ROS-ED9823/1

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	17.36	183.7	182.4	181.4	1.55	1.18	0.85	-12.3	-25.2	-35.9	0.85	1	-90
0.3	15.67	186.0	184.7	183.8	1.50	1.09	0.78	-12.7	-25.5	-36.3	0.67	10	-115
0.5	14.66	188.2	186.9	186.0	1.49	1.05	0.74	-12.9	-25.6	-36.6	0.55	100	-135
0.6	14.16	190.3	189.1	188.2	1.46	1.01	0.71	-13.1	-25.7	-36.6	0.48	1000	-155
0.8	13.75	192.4	191.1	190.2	1.43	1.00	0.68	-13.2	-25.7	-36.8	0.42		
0.9	13.40	194.4	193.1	192.2	1.39	0.94	0.65	-13.3	-25.6	-36.8	0.38		
1.1	13.51	196.5	195.2	194.2	1.38	0.93	0.61	-13.4	-25.3	-36.1	0.35		
1.2	13.58	198.6	197.2	196.3	1.32	0.93	0.59	-13.5	-25.2	-36.0	0.34		
1.4	13.61	200.6	199.2	198.3	1.31	0.89	0.53	-13.6	-25.0	-35.1	0.33		
1.5	13.64	202.7	201.3	200.3	1.26	0.88	0.53	-13.8	-24.8	-34.5	0.35		
1.7	13.67	204.7	203.3	202.4	1.25	0.84	0.53	-14.0	-25.2	-34.2	0.38		
1.8	13.75	206.8	205.4	204.4	1.25	0.84	0.48	-14.3	-25.4	-33.9	0.42		
2.0	13.57	208.8	207.4	206.4	1.19	0.84	0.48	-14.7	-26.0	-34.0	0.48		
2.1	13.43	210.7	209.4	208.5	1.19	0.79	0.43	-15.1	-26.4	-34.4	0.54		
2.3	13.31	212.6	211.4	210.5	1.17	0.79	0.44	-15.5	-27.0	-34.8	0.62		
2.4	13.13	214.5	213.4	212.5	1.17	0.78	0.44	-16.0	-27.6	-35.3	0.71		
2.6	12.67	216.3	215.3	214.4	1.17	0.78	0.43	-16.5	-28.0	-35.7	0.79		
2.7	12.52	218.1	217.2	216.3	1.21	0.79	0.44	-17.0	-28.4	-35.9	0.89		
2.9	12.20	219.9	219.0	218.2	1.22	0.83	0.48	-17.5	-28.8	-36.0	0.99		
3.0	11.90	221.6	220.8	220.0	1.23	0.84	0.50	-18.0	-29.2	-35.8	1.08		
3.2	11.53	223.2	222.5	221.8	1.29	0.91	0.51	-18.5	-29.4	-35.7	1.17		
3.3	11.17	224.8	224.2	223.5	1.30	0.94	0.59	-18.9	-29.6	-35.5	1.25		
3.5	10.84	226.4	225.8	225.2	1.31	0.94	0.61	-19.3	-29.7	-35.4	1.32		
3.6	10.47	227.9	227.4	226.8	1.36	0.95	0.62	-19.6	-29.8	-35.1	1.38		
3.8	10.03	229.3	228.9	228.3	1.37	1.01	0.69	-20.0	-29.6	-34.9	1.42		
3.9	9.60	230.7	230.3	229.8	1.38	1.02	0.70	-20.3	-29.8	-34.9	1.45		
4.1	9.20	232.0	231.7	231.2	1.39	1.04	0.72	-20.5	-29.8	-35.0	1.48		
4.2	8.71	233.3	233.0	232.5	1.46	1.11	0.80	-20.7	-29.9	-35.1	1.50		
4.4	8.35	234.4	234.3	233.8	1.47	1.13	0.82	-20.9	-29.8	-35.0	1.51		
4.5	7.90	235.6	235.5	235.0	1.48	1.15	0.84	-21.1	-29.9	-35.6	1.52		
4.7	7.49	236.7	236.6	236.1	1.49	1.16	0.85	-21.2	-29.7	-36.1	1.52		
4.8	7.15	237.7	237.7	237.2	1.56	1.23	0.87	-21.3	-30.0	-36.4	1.52		
5.0	6.69	238.7	238.7	238.2	1.57	1.25	0.94	-21.3	-30.2	-36.8	1.51		
5.1	6.31	239.6	239.6	239.2	1.58	1.26	0.96	-21.3	-30.1	-37.0	1.50		
5.3	5.99	240.5	240.5	240.1	1.59	1.27	0.97	-21.4	-30.4	-36.9	1.48		
5.4	5.59	241.3	241.4	240.9	1.60	1.28	0.99	-21.4	-30.7	-37.2	1.45		
5.6	5.21	242.2	242.1	241.7	1.60	1.30	1.00	-21.4	-30.9	-37.3	1.41		
5.7	4.91	242.9	242.9	242.4	1.63	1.32	1.01	-21.5	-31.0	-37.5	1.37		
5.9	4.61	243.6	243.6	243.1	1.63	1.33	1.04	-21.4	-31.2	-37.3	1.32		