

Voltage Controlled Oscillator

ROS-ED9749/1

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			
0.1	27.91	190.2	187.9	186.7	3.89	4.10	4.04	-14.9	-35.3	-36.2	1.35	1	-85
0.3	27.07	193.5	191.3	190.0	3.83	4.11	3.99	-15.3	-35.5	-35.8	1.50	10	-110
0.4	26.16	196.8	194.6	193.2	3.86	4.02	3.89	-15.8	-35.6	-35.2	1.57	100	-130
0.5	25.35	199.9	197.8	196.4	3.84	3.98	3.89	-16.3	-35.4	-34.7	1.63	1000	-148
0.6	24.46	202.9	200.8	199.4	3.79	3.98	3.84	-16.8	-35.8	-34.5	1.67		
0.8	23.62	205.9	203.8	202.3	3.81	3.91	3.84	-17.2	-36.1	-34.7	1.58		
0.9	22.50	208.8	206.6	205.1	3.75	3.91	3.77	-17.6	-36.5	-34.7	1.41		
1.0	21.32	211.5	209.2	207.8	3.75	3.83	3.69	-18.0	-36.6	-34.6	1.27		
1.1	20.54	214.1	211.8	210.3	3.72	3.83	3.68	-18.3	-37.2	-34.9	1.18		
1.3	19.62	216.5	214.3	212.7	3.72	3.79	3.65	-18.6	-37.2	-34.9	1.11		
1.4	18.96	218.9	216.6	215.0	3.62	3.78	3.64	-18.9	-37.7	-34.9	1.05		
1.5	18.29	221.2	218.9	217.3	3.60	3.67	3.63	-19.2	-38.0	-34.9	1.02		
1.6	17.68	223.4	221.1	219.5	3.53	3.65	3.53	-19.4	-38.4	-34.8	1.00		
1.8	17.15	225.6	223.3	221.6	3.50	3.59	3.51	-19.7	-38.7	-35.0	0.98		
1.9	16.62	227.7	225.4	223.6	3.43	3.56	3.44	-19.8	-38.9	-34.7	0.97		
2.0	16.15	229.7	227.4	225.6	3.39	3.54	3.41	-20.1	-38.8	-34.5	0.96		
2.1	15.58	231.7	229.3	227.5	3.35	3.48	3.35	-20.2	-38.6	-34.5	0.96		
2.3	15.02	233.6	231.2	229.4	3.35	3.45	3.33	-20.3	-39.5	-34.5	0.95		
2.4	14.66	235.5	233.0	231.2	3.31	3.45	3.29	-20.5	-39.4	-34.3	0.96		
2.5	14.11	237.3	234.8	233.0	3.27	3.42	3.29	-20.6	-39.1	-34.3	0.97		
2.6	13.65	239.0	236.5	234.7	3.16	3.39	3.25	-20.8	-39.2	-34.2	0.96		
2.8	13.15	240.7	238.1	236.4	3.12	3.29	3.21	-20.8	-39.7	-34.3	0.97		
2.9	12.80	242.3	239.7	238.0	3.08	3.26	3.11	-21.0	-39.6	-34.4	0.97		
3.0	12.27	243.9	241.3	239.6	3.04	3.22	3.06	-21.0	-39.8	-34.3	0.99		
3.1	11.84	245.4	242.8	241.1	3.00	3.18	3.02	-21.1	-39.9	-34.5	0.99		
3.3	11.49	246.9	244.2	242.5	2.97	3.14	2.96	-21.2	-40.3	-34.5	1.01		
3.4	11.07	248.3	245.6	243.9	3.09	3.11	2.93	-21.2	-40.4	-34.5	1.02		
3.5	10.61	249.7	246.9	245.3	3.06	3.07	2.88	-21.3	-40.4	-34.7	1.03		
3.6	10.26	251.0	248.2	246.6	3.02	3.19	2.85	-21.5	-40.5	-34.7	1.05		
3.8	9.82	252.2	249.4	247.8	2.99	3.15	2.96	-21.5	-40.8	-34.7	1.05		
3.9	9.46	253.4	250.6	249.0	2.87	3.12	2.93	-21.5	-40.7	-34.8	1.06		
4.0	9.08	254.6	251.7	250.1	2.84	3.09	2.89	-21.6	-40.9	-35.1	1.06		
4.1	8.76	255.7	252.8	251.2	2.82	2.96	2.86	-21.7	-41.1	-35.1	1.06		
4.3	8.34	256.7	253.9	252.2	2.79	2.92	2.83	-21.7	-40.8	-35.2	1.05		
4.4	8.01	257.7	254.9	253.2	2.81	2.89	2.71	-21.7	-40.9	-35.4	1.05		
4.5	7.73	258.7	255.8	254.2	2.79	2.86	2.67	-21.8	-41.1	-35.1	1.04		
4.6	7.38	259.6	256.8	255.1	2.76	2.83	2.66	-21.8	-40.8	-35.2	1.04		
4.8	7.13	260.4	257.6	256.0	2.73	2.85	2.63	-21.9	-41.0	-35.5	1.03		
4.9	6.74	261.3	258.5	256.8	2.71	2.82	2.61	-21.9	-40.9	-35.4	1.02		
5.0	6.54	262.0	259.3	257.6	2.69	2.80	2.63	-21.9	-41.3	-35.2	1.01		