

Voltage Controlled Oscillator

ROS-ED10244/1

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	30.18	194.6	191.9	189.9	5.76	6.07	5.96	-15.2	-35.2	-36.5	2.17	1	-85
0.3	28.11	198.6	196.1	194.3	5.76	5.99	5.89	-16.0	-35.7	-36.4	1.96	10	-108
0.5	24.93	202.3	199.9	198.2	5.80	5.97	5.86	-16.6	-36.3	-36.4	1.47	100	-128
0.6	22.23	205.6	203.2	201.5	5.75	5.92	5.88	-17.1	-36.8	-36.7	1.12	1000	-148
0.8	20.42	208.7	206.3	204.6	5.69	5.94	5.83	-17.6	-37.1	-36.9	0.93		
0.9	19.28	211.7	209.2	207.5	5.69	5.90	5.85	-18.0	-38.0	-36.8	0.80		
1.1	18.31	214.5	211.9	210.2	5.68	5.92	5.78	-18.4	-38.2	-36.7	0.71		
1.2	17.57	217.3	214.6	212.8	5.68	5.91	5.78	-18.7	-38.3	-36.6	0.65		
1.4	17.08	219.9	217.1	215.4	5.60	5.93	5.78	-19.1	-38.6	-36.6	0.61		
1.5	16.56	222.5	219.6	217.9	5.56	5.85	5.71	-19.4	-39.1	-36.4	0.60		
1.7	16.16	225.0	222.0	220.3	5.55	5.85	5.71	-19.7	-39.3	-36.7	0.60		
1.8	15.83	227.4	224.4	222.7	5.55	5.81	5.67	-20.0	-40.0	-36.6	0.62		
2.0	15.51	229.8	226.7	225.0	5.51	5.80	5.66	-20.2	-40.0	-36.8	0.65		
2.1	15.19	232.1	229.0	227.3	5.50	5.76	5.65	-20.6	-40.7	-36.8	0.70		
2.3	14.80	234.2	231.2	229.5	5.53	5.75	5.62	-20.8	-40.5	-37.1	0.76		
2.4	14.50	236.4	233.4	231.6	5.51	5.76	5.60	-21.1	-41.0	-36.9	0.83		
2.6	13.97	238.4	235.5	233.7	5.44	5.74	5.63	-21.4	-41.7	-36.8	0.89		
2.7	13.44	240.3	237.5	235.7	5.42	5.66	5.60	-21.7	-42.4	-37.1	0.96		
2.9	12.97	242.2	239.5	237.6	5.40	5.64	5.53	-21.9	-42.6	-37.5	1.03		
3.0	12.27	244.0	241.3	239.4	5.37	5.61	5.51	-22.2	-43.2	-37.4	1.09		
3.2	11.63	245.7	243.0	241.2	5.35	5.58	5.50	-22.4	-43.6	-37.3	1.14		
3.3	10.99	247.3	244.7	242.8	5.33	5.57	5.47	-22.5	-43.6	-37.4	1.18		
3.5	10.19	248.8	246.2	244.3	5.47	5.55	5.46	-22.7	-44.4	-37.8	1.22		
3.6	9.50	250.2	247.7	245.7	5.46	5.69	5.44	-22.8	-44.4	-37.5	1.24		
3.8	8.74	251.5	249.0	246.9	5.44	5.68	5.43	-23.0	-44.9	-37.6	1.25		
3.9	8.02	252.8	250.2	248.1	5.32	5.67	5.58	-23.1	-45.5	-37.6	1.24		
4.1	7.25	253.9	251.3	249.2	5.31	5.65	5.57	-23.1	-45.2	-37.7	1.23		
4.2	6.53	254.9	252.2	250.1	5.29	5.65	5.55	-23.2	-45.6	-37.8	1.21		
4.4	5.87	255.8	253.1	250.9	5.28	5.54	5.55	-23.3	-45.9	-37.8	1.18		
4.5	5.19	256.6	253.9	251.7	5.27	5.54	5.54	-23.3	-46.8	-37.9	1.14		
4.7	4.59	257.4	254.6	252.4	5.25	5.53	5.54	-23.3	-46.4	-37.8	1.11		
4.8	4.05	258.0	255.2	252.9	5.29	5.52	5.44	-23.4	-47.4	-37.9	1.06		
5.0	3.56	258.6	255.7	253.4	5.28	5.52	5.43	-23.3	-46.8	-37.8	1.02		
5.1	3.11	259.1	256.2	253.9	5.27	5.51	5.43	-23.4	-46.9	-37.7	0.99		
5.3	2.69	259.5	256.6	254.3	5.26	5.51	5.42	-23.4	-46.7	-37.6	0.96		
5.4	2.38	259.9	256.9	254.6	5.26	5.51	5.42	-23.4	-46.9	-37.6	0.93		
5.6	2.06	260.2	257.3	254.9	5.26	5.50	5.42	-23.4	-47.0	-37.5	0.90		
5.7	1.80	260.5	257.5	255.2	5.25	5.54	5.42	-23.4	-47.0	-37.6	0.88		
5.9	1.62	260.7	257.8	255.4	5.24	5.54	5.41	-23.4	-47.2	-37.3	0.86		
6.0	1.43	261.0	258.0	255.6	5.23	5.54	5.41	-23.4	-46.9	-37.6	0.85		