

Voltage Controlled Oscillator

ROS-ED9409/1

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	28.75	164.2	160.4	158.0	1.20	1.13	0.70	-27.3	-40.5	-48.7	1.13	1	-85
0.4	24.92	168.4	164.7	162.5	1.26	1.29	0.84	-28.4	-40.5	-47.6	0.89	10	-109
0.5	22.22	172.1	168.6	166.5	1.29	1.33	0.98	-29.2	-40.4	-46.5	0.75	100	-129
0.7	20.19	175.5	172.1	170.1	1.26	1.35	1.02	-29.5	-40.3	-45.6	0.66	1000	-149
0.9	18.70	178.7	175.4	173.4	1.14	1.32	1.00	-29.7	-40.6	-44.9	0.59		
1.1	17.59	181.7	178.5	176.5	1.10	1.20	1.01	-30.0	-40.6	-44.0	0.54		
1.2	16.69	184.6	181.4	179.5	1.07	1.18	0.89	-30.1	-40.2	-43.3	0.51		
1.4	15.88	187.3	184.2	182.3	1.02	1.16	0.88	-30.0	-40.8	-43.4	0.48		
1.6	15.36	189.9	186.9	185.0	0.91	1.13	0.87	-30.0	-41.0	-42.6	0.45		
1.8	14.73	192.5	189.5	187.6	0.85	1.04	0.79	-30.1	-41.0	-41.8	0.44		
1.9	14.29	194.9	192.0	190.1	0.71	1.00	0.77	-30.0	-40.9	-41.3	0.42		
2.1	13.88	197.3	194.4	192.5	0.64	0.87	0.64	-30.1	-40.5	-41.1	0.42		
2.3	13.43	199.7	196.7	194.9	0.53	0.82	0.61	-30.1	-41.1	-40.6	0.41		
2.5	13.15	201.9	199.0	197.2	0.46	0.72	0.57	-30.0	-41.3	-40.9	0.41		
2.6	12.85	204.2	201.3	199.5	0.32	0.67	0.48	-30.0	-41.6	-40.4	0.42		
2.8	12.47	206.3	203.5	201.7	0.24	0.54	0.43	-30.0	-41.5	-40.2	0.43		
3.0	12.21	208.5	205.6	203.8	0.08	0.47	0.31	-30.2	-42.1	-39.8	0.44		
3.2	11.87	210.5	207.7	205.9	-0.01	0.33	0.25	-30.0	-41.8	-39.4	0.45		
3.3	11.60	212.6	209.7	208.0	-0.12	0.25	0.11	-30.0	-42.5	-39.7	0.46		
3.5	11.31	214.5	211.7	210.0	-0.21	0.17	0.04	-29.9	-42.2	-39.6	0.48		
3.7	10.99	216.5	213.6	211.9	-0.32	0.06	-0.03	-30.0	-42.1	-39.2	0.50		
3.9	10.65	218.3	215.5	213.8	-0.50	-0.03	-0.13	-29.9	-42.7	-39.1	0.51		
4.0	10.38	220.1	217.3	215.6	-0.61	-0.12	-0.21	-29.9	-42.3	-39.0	0.53		
4.2	10.05	221.9	219.1	217.4	-0.72	-0.30	-0.30	-29.8	-42.5	-39.0	0.55		
4.4	9.71	223.6	220.8	219.1	-0.87	-0.40	-0.47	-29.8	-42.6	-38.7	0.56		
4.6	9.45	225.2	222.4	220.7	-0.99	-0.50	-0.57	-29.6	-43.1	-38.7	0.58		
4.7	9.06	226.8	224.0	222.3	-1.10	-0.65	-0.66	-29.6	-43.0	-38.7	0.59		
4.9	8.77	228.3	225.5	223.9	-1.24	-0.76	-0.80	-29.6	-42.6	-38.5	0.60		
5.1	8.46	229.8	227.0	225.4	-1.35	-0.86	-0.90	-29.6	-43.5	-38.3	0.62		
5.3	8.10	231.2	228.4	226.8	-1.47	-1.00	-1.00	-29.5	-43.6	-38.0	0.62		
5.4	7.87	232.5	229.8	228.2	-1.54	-1.10	-1.13	-29.5	-43.9	-38.1	0.63		
5.6	7.53	233.8	231.1	229.5	-1.65	-1.20	-1.22	-29.4	-42.8	-38.0	0.64		
5.8	7.25	235.1	232.4	230.8	-1.76	-1.31	-1.32	-29.4	-43.9	-38.0	0.65		
6.0	6.98	236.3	233.6	232.0	-1.86	-1.37	-1.41	-29.4	-44.4	-37.6	0.65		
6.1	6.70	237.5	234.8	233.2	-1.97	-1.47	-1.47	-29.3	-44.5	-37.5	0.66		
6.3	6.46	238.6	235.9	234.3	-2.13	-1.57	-1.56	-29.3	-44.6	-38.2	0.66		
6.5	6.23	239.7	237.0	235.4	-2.23	-1.66	-1.65	-29.2	-44.5	-37.9	0.66		
6.7	5.97	240.7	238.1	236.4	-2.33	-1.81	-1.74	-29.1	-44.4	-38.1	0.66		
6.8	5.76	241.7	239.1	237.4	-2.43	-1.89	-1.82	-28.9	-45.0	-37.5	0.66		
7.0	5.57	242.7	240.0	238.4	-2.54	-1.98	-1.96	-29.1	-44.9	-38.0	0.67		