

Voltage Controlled Oscillator

ROS-ED13137/1

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			
0.00	4.27	2854.21	2849.66	2846.08	5.04	4.43	3.60	-22.76	-30.05	-38.82	0.00	1	-96
0.50	3.20	2855.94	2851.46	2847.94	5.07	4.48	3.70	-22.52	-29.77	-38.75	0.03	10	-118
1.00	2.31	2857.34	2852.95	2849.41	5.10	4.52	3.80	-22.11	-29.71	-37.84	0.08	100	-138
1.50	2.67	2858.56	2854.27	2850.75	5.10	4.54	3.85	-22.16	-29.45	-39.14	0.08	1000	-158
2.00	2.31	2859.75	2855.47	2851.95	5.13	4.55	3.91	-21.88	-29.61	-38.55	0.08		
2.50	2.13	2860.82	2856.53	2853.06	5.15	4.60	3.98	-21.90	-29.31	-38.09	0.03		
3.00	2.13	2861.89	2857.60	2854.08	5.15	4.62	4.00	-21.56	-29.29	-39.15	0.08		
3.50	2.13	2862.87	2858.67	2855.15	5.16	4.62	4.07	-21.52	-29.12	-37.58	0.05		
4.00	1.60	2863.79	2859.63	2856.17	5.16	4.65	4.11	-21.48	-28.99	-38.37	0.03		
4.50	2.13	2864.77	2860.61	2857.09	5.19	4.68	4.17	-21.44	-29.11	-37.60	0.00		
5.00	1.78	2865.69	2861.55	2858.07	5.24	4.74	4.23	-21.25	-29.00	-38.29	0.08		
5.50	1.96	2866.65	2862.49	2859.03	5.22	4.75	4.28	-21.13	-29.27	-38.00	0.00		
6.00	1.60	2867.52	2863.42	2859.97	5.25	4.78	4.30	-21.09	-28.88	-38.05	0.16		
6.50	1.78	2868.46	2864.36	2860.91	5.26	4.80	4.34	-21.09	-28.85	-38.38	0.05		
7.00	1.78	2869.35	2865.32	2861.85	5.26	4.80	4.35	-20.93	-28.76	-38.48	0.03		
7.50	2.13	2870.34	2866.24	2862.78	5.29	4.81	4.41	-20.84	-29.08	-38.31	0.08		
8.00	1.96	2871.21	2867.18	2863.72	5.30	4.85	4.43	-20.88	-28.84	-38.74	0.03		
8.50	1.60	2872.19	2868.14	2864.68	5.33	4.88	4.47	-20.69	-28.91	-37.82	0.05		
9.00	2.13	2873.15	2869.12	2865.60	5.40	4.89	4.50	-20.72	-28.89	-37.99	0.08		
9.50	1.96	2874.09	2870.06	2866.60	5.41	4.91	4.52	-20.61	-28.86	-38.20	0.05		
10.00	1.78	2875.03	2871.06	2867.54	5.41	4.94	4.54	-20.51	-28.80	-38.44	-0.03		
10.50	1.60	2876.03	2872.06	2868.54	5.42	4.95	4.61	-20.49	-28.82	-37.97	0.08		
11.00	2.13	2877.03	2873.07	2869.61	5.41	4.98	4.62	-20.49	-28.40	-38.52	0.00		
11.50	2.31	2878.04	2874.11	2870.61	5.46	5.00	4.67	-20.52	-28.77	-39.15	0.05		
12.00	2.13	2879.04	2875.14	2871.68	5.49	5.03	4.71	-20.29	-28.67	-38.59	0.00		