

Voltage Controlled Oscillator

ROS-ED9637/1

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			
1.0	57.93	2307.8	2288.7	2269.4	5.45	5.06	3.09	-26.5	-27.8	-35.8	3.58	1	-67
2.0	51.96	2359.0	2340.6	2322.4	5.14	4.99	3.58	-29.2	-26.5	-35.8	3.60	10	-93
3.0	55.96	2416.5	2396.6	2376.3	5.15	4.97	3.65	-25.7	-26.1	-37.0	3.90	100	-113
4.0	61.74	2480.3	2458.3	2436.2	5.28	5.08	3.93	-23.3	-25.6	-37.7	4.20	1000	-133
5.0	67.15	2549.0	2525.5	2501.4	5.40	5.16	4.28	-21.5	-26.6	-39.1	4.24		
6.0	66.50	2616.9	2592.0	2566.9	5.27	5.22	4.58	-20.3	-29.2	-36.9	4.12		
7.0	63.06	2680.0	2655.0	2629.1	5.38	5.37	4.61	-19.2	-27.0	-32.2	3.94		
8.0	57.94	2739.0	2713.0	2685.9	5.65	5.47	4.70	-18.2	-26.8	-32.9	4.08		
9.0	53.40	2792.7	2766.4	2739.0	5.70	5.55	5.04	-17.4	-23.4	-31.6	4.06		
10.0	49.99	2843.1	2816.4	2787.7	5.54	5.70	5.09	-16.7	-24.1	-30.9	4.26		
11.0	45.76	2889.0	2862.1	2833.5	5.73	5.53	5.07	-16.5	-23.0	-30.3	4.10		
12.0	42.49	2932.1	2904.6	2875.1	5.83	5.77	5.13	-16.5	-23.4	-31.6	4.26		
13.0	39.79	2972.0	2944.4	2914.2	5.79	5.87	5.38	-16.0	-22.2	-32.6	4.18		
14.0	36.13	3008.3	2980.5	2950.2	5.64	5.80	5.47	-16.0	-25.6	-35.9	4.18		
15.0	33.08	3041.8	3013.6	2982.7	5.69	5.66	5.42	-16.1	-23.4	-38.3	4.40		
16.0	30.10	3071.5	3043.7	3012.3	5.78	5.76	5.26	-16.1	-22.6	-42.6	4.46		
17.0	26.83	3098.5	3070.5	3039.3	5.66	5.85	5.31	-16.1	-23.1	-47.7	4.30		
18.0	24.18	3123.6	3094.7	3063.4	5.59	5.78	5.52	-16.1	-22.7	-48.7	4.52		
19.0	22.50	3146.0	3117.2	3084.9	5.50	5.71	5.45	-16.1	-22.3	-46.0	4.68		
20.0	20.30	3166.0	3137.5	3104.8	5.37	5.64	5.32	-16.1	-22.9	-45.9	4.64		
21.0	18.04	3184.0	3155.6	3123.1	5.30	5.52	5.30	-16.1	-22.6	-45.6	4.60		
22.0	16.04	3200.8	3171.6	3139.4	5.23	5.47	5.26	-16.2	-22.2	-45.6	4.56		
23.0	14.40	3215.8	3186.0	3153.7	5.21	5.42	5.14	-15.9	-22.4	-44.0	4.64		
24.0	13.00	3229.0	3199.0	3166.1	5.25	5.36	5.13	-16.0	-22.6	-44.1	4.72		
25.0	11.36	3240.3	3210.4	3176.7	5.26	5.35	5.08	-16.0	-23.1	-43.0	4.64		