

Voltage Controlled Oscillator

ROS-EDR5787/1

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			
0.3	17.50	2729.6	2720.4	2711.9	4.98	4.12	3.23	-24.1	-32.4	-38.8	-0.51	1	-74
0.5	19.13	2734.5	2725.2	2716.5	4.99	4.18	3.27	-23.9	-32.5	-40.0	-0.53	10	-101
0.8	20.91	2740.0	2730.4	2721.6	5.04	4.22	3.30	-23.5	-32.5	-40.7	-0.55	100	-121
1.0	22.63	2745.9	2736.0	2727.1	5.12	4.23	3.34	-23.7	-32.4	-41.0	-0.58	1000	-142
1.3	24.49	2752.3	2742.2	2733.1	5.18	4.23	3.38	-24.0	-31.8	-42.0	-0.61		
1.5	26.27	2759.0	2748.7	2739.5	5.25	4.25	3.40	-23.2	-31.1	-43.7	-0.65		
1.8	27.67	2766.1	2755.6	2746.2	5.33	4.27	3.43	-22.7	-31.2	-44.6	-0.69		
2.0	29.00	2773.6	2762.9	2753.4	5.40	4.36	3.47	-23.5	-30.9	-44.8	-0.75		
2.3	30.22	2781.2	2770.5	2760.8	5.45	4.48	3.52	-23.9	-31.0	-45.5	-0.82		
2.5	31.11	2789.1	2778.2	2768.4	5.52	4.54	3.58	-24.0	-31.4	-46.4	-0.90		
2.8	31.56	2797.1	2786.1	2776.3	5.62	4.57	3.66	-25.2	-32.0	-46.9	-0.98		
3.0	31.44	2805.1	2794.0	2784.1	5.68	4.64	3.70	-24.9	-31.2	-48.0	-1.11		
3.3	30.92	2812.9	2801.7	2791.8	5.73	4.75	3.72	-24.5	-31.0	-48.8	-1.31		
3.5	29.36	2820.2	2809.0	2799.2	5.76	4.78	3.75	-24.6	-30.9	-49.9	-1.52		
3.8	26.98	2826.8	2815.8	2806.1	5.78	4.81	3.80	-24.1	-30.7	-51.0	-1.73		
4.0	23.93	2832.7	2821.8	2812.2	5.81	4.83	3.84	-23.9	-30.6	-51.3	-1.89		
4.3	20.57	2837.7	2826.9	2817.5	5.83	4.82	3.88	-24.6	-30.4	-51.6	-1.95		
4.5	17.33	2842.0	2831.3	2822.0	5.85	4.82	3.90	-25.5	-30.8	-51.9	-1.92		
4.8	14.24	2845.4	2834.8	2825.7	5.85	4.82	3.90	-26.1	-31.0	-52.0	-1.82		
5.0	11.42	2848.2	2837.7	2828.6	5.85	4.82	3.90	-26.3	-31.0	-52.5	-1.66		
5.3	9.03	2850.4	2839.9	2830.9	5.86	4.83	3.89	-26.4	-30.8	-51.8	-1.51		
5.5	7.10	2852.1	2841.7	2832.7	5.86	4.83	3.88	-26.4	-30.7	-52.1	-1.36		
5.8	5.61	2853.4	2843.1	2834.2	5.86	4.83	3.87	-26.5	-30.8	-52.1	-1.24		
6.0	4.49	2854.5	2844.2	2835.4	5.86	4.83	3.88	-26.7	-30.8	-52.2	-1.15		
6.3	3.67	2855.4	2845.1	2836.4	5.87	4.83	3.87	-26.7	-30.8	-52.1	-1.08		
6.5	3.07	2856.1	2845.9	2837.2	5.87	4.82	3.87	-26.8	-30.8	-51.8	-1.04		
6.8	2.62	2856.7	2846.6	2837.9	5.87	4.82	3.87	-26.9	-30.9	-52.2	-1.01		
7.0	2.28	2857.2	2847.1	2838.5	5.86	4.83	3.86	-27.0	-30.9	-51.7	-0.99		