

Voltage Controlled Oscillator

ROS-ED9356A/2

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			
0.5	52.14	2462.7	2440.1	2434.4	3.41	4.02	2.20	-21.8	-27.8	-26.4	2.58	1	-72
1.0	47.34	2487.8	2463.8	2456.7	3.71	4.11	2.34	-21.3	-28.5	-28.7	2.72	10	-95
1.5	46.80	2512.2	2487.2	2478.9	4.25	4.33	2.50	-21.0	-29.2	-28.2	2.90	100	-115
2.0	49.08	2537.7	2511.7	2502.3	4.77	4.64	2.74	-20.7	-31.2	-27.6	3.20	1000	-135
2.5	52.52	2564.0	2538.0	2527.6	4.97	4.99	3.21	-20.7	-34.1	-26.6	3.34		
3.0	56.40	2591.8	2566.2	2554.8	4.91	4.98	3.30	-20.4	-40.2	-25.7	3.42		
3.5	62.62	2622.4	2597.5	2583.9	4.74	4.71	3.28	-20.7	-47.8	-25.6	3.74		
4.0	69.32	2656.6	2632.1	2615.6	4.69	4.23	3.03	-20.2	-41.2	-25.5	3.86		
4.5	71.20	2694.7	2667.7	2648.8	4.73	4.43	3.04	-19.7	-38.4	-26.3	3.94		
5.0	71.48	2734.3	2703.5	2682.1	4.56	4.59	3.45	-19.4	-36.0	-25.9	4.14		
5.5	70.86	2772.3	2738.9	2715.3	4.27	4.61	3.81	-19.0	-34.7	-31.9	4.34		
6.0	67.54	2808.5	2772.7	2747.8	4.16	4.44	3.67	-18.2	-34.9	-27.1	4.58		
6.5	64.38	2843.4	2804.9	2778.7	4.63	4.52	3.58	-17.7	-31.0	-26.3	5.16		
7.0	61.92	2875.5	2835.8	2808.0	4.74	4.91	3.74	-17.0	-33.5	-25.1	5.74		
7.5	58.30	2905.3	2865.0	2836.1	4.79	5.11	4.19	-16.3	-35.0	-27.2	6.24		
8.0	54.24	2933.4	2892.1	2862.7	4.43	5.26	4.41	-16.1	-35.4	-28.8	6.84		
8.5	51.64	2959.8	2917.9	2887.5	4.26	5.08	4.53	-16.0	-34.9	-28.9	7.42		
9.0	49.32	2984.3	2942.6	2911.1	4.69	4.94	4.45	-15.1	-32.3	-29.3	7.84		
9.5	46.46	3007.1	2965.8	2933.6	4.87	5.06	4.26	-14.5	-37.2	-34.1	8.20		
10.0	43.76	3029.0	2987.7	2955.1	4.92	5.35	4.16	-14.1	-30.3	-34.5	8.54		
10.5	41.34	3050.0	3008.4	2975.4	5.00	5.58	4.45	-14.2	-24.8	-38.9	9.00		
11.0	39.94	3070.1	3028.3	2994.5	5.07	5.63	4.79	-13.9	-22.9	-47.2	9.70		
11.5	37.78	3089.1	3047.2	3012.5	4.94	5.79	4.96	-13.9	-20.5	-45.1	10.28		
12.0	34.96	3106.2	3064.7	3029.8	4.87	5.80	5.00	-13.8	-19.5	-40.4	10.56		
12.5	32.30	3122.0	3080.8	3046.2	4.81	5.82	5.10	-13.7	-18.2	-39.0	10.56		
13.0	30.20	3136.4	3095.9	3061.5	4.80	5.68	5.07	-13.4	-17.3	-36.3	10.58		
13.5	28.48	3150.8	3110.2	3075.8	4.92	5.78	5.00	-13.4	-16.0	-36.4	10.48		
14.0	27.08	3163.9	3123.7	3089.1	4.99	5.66	4.85	-13.4	-15.1	-35.9	10.36		
14.5	25.92	3176.4	3136.7	3101.7	5.02	5.56	4.84	-13.3	-15.0	-35.1	10.44		
15.0	24.64	3188.2	3149.0	3113.5	4.79	5.65	4.74	-13.2	-14.6	-35.6	10.32		
15.5	23.12	3199.3	3160.6	3124.6	4.80	5.65	4.83	-12.9	-14.2	-35.9	10.36		
16.0	21.68	3210.3	3171.4	3135.2	4.96	5.63	4.76	-13.0	-14.0	-36.4	10.32		
16.5	20.16	3220.5	3181.5	3145.2	4.91	5.44	4.81	-13.0	-13.7	-36.6	10.24		
17.0	18.80	3230.0	3190.9	3154.6	4.77	5.38	4.84	-13.1	-14.6	-37.5	10.32		
17.5	17.60	3238.9	3199.7	3163.5	4.60	5.33	4.87	-13.3	-16.1	-37.2	10.32		
18.0	16.48	3247.4	3207.9	3171.8	4.52	5.49	4.87	-13.6	-17.1	-36.9	10.32		
18.5	15.36	3254.9	3215.6	3179.5	4.35	5.45	4.73	-13.6	-17.9	-36.5	10.24		
19.0	14.56	3261.8	3222.9	3186.8	4.24	5.34	4.85	-13.6	-18.6	-36.7	10.32		
19.5	13.76	3268.6	3229.8	3193.8	4.16	5.31	4.45	-13.7	-19.2	-36.7	10.36		
20.0	12.96	3275.2	3236.2	3200.2	4.11	5.20	4.67	-13.9	-19.9	-36.7	10.28		