

Voltage Controlled Oscillator

ROS-ED9280A/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			
0.5	52.74	2827.9	2809.7	2794.5	4.96	3.93	4.68	-39.8	-41.2	-44.8	2.12	1	-72
1.0	44.18	2846.1	2831.8	2813.9	4.85	3.92	4.78	-39.0	-41.6	-45.7	2.13	10	-93
1.5	39.26	2862.5	2851.4	2831.2	4.78	3.89	4.72	-38.7	-41.2	-46.8	2.16	100	-113
2.0	35.34	2877.7	2869.1	2846.9	4.82	3.96	4.63	-38.0	-42.6	-46.3	2.11	1000	-133
2.5	33.00	2892.3	2885.6	2861.6	4.87	4.11	4.58	-37.4	-43.3	-46.8	2.21		
3.0	31.56	2906.6	2901.3	2875.8	4.85	4.19	4.61	-36.8	-43.3	-46.7	2.21		
3.5	30.62	2920.4	2916.7	2889.6	4.78	4.24	4.66	-37.0	-43.6	-47.0	2.25		
4.0	29.78	2934.3	2931.5	2903.2	4.77	4.29	4.65	-36.8	-44.2	-45.3	2.29		
4.5	28.80	2947.5	2945.9	2916.7	4.81	4.40	4.63	-36.7	-44.3	-47.0	2.34		
5.0	27.80	2960.4	2959.8	2930.1	4.85	4.53	4.58	-37.3	-47.1	-45.7	2.29		
5.5	26.94	2973.5	2973.3	2943.2	4.91	4.69	4.62	-37.1	-48.0	-45.9	2.30		
6.0	26.44	2986.4	2986.5	2956.3	4.89	4.77	4.67	-37.8	-44.1	-48.3	2.30		
6.5	26.16	2999.5	2999.6	2969.1	4.72	4.68	4.74	-37.6	-42.6	-47.4	2.25		
7.0	26.26	3012.6	3012.7	2982.1	4.69	4.70	4.75	-38.7	-42.5	-47.3	2.27		
7.5	26.40	3026.2	3025.9	2995.1	4.62	4.68	4.69	-38.4	-42.5	-48.3	2.33		
8.0	26.28	3039.4	3039.1	3008.6	4.61	4.78	4.57	-39.0	-42.1	-47.8	2.23		
8.5	26.02	3052.8	3052.1	3022.4	4.73	4.92	4.48	-39.2	-39.9	-48.8	2.23		
9.0	25.84	3066.2	3065.0	3036.1	4.79	5.10	4.47	-40.3	-41.3	-49.0	2.45		
9.5	26.78	3080.1	3078.4	3050.0	4.78	5.02	4.55	-40.5	-41.1	-48.8	2.21		
10.0	25.86	3094.3	3091.3	3064.2	4.74	5.14	4.66	-41.3	-42.6	-48.9	2.04		
10.5	26.50	3108.8	3104.6	3078.6	4.74	5.06	4.62	-39.9	-44.7	-48.3	2.00		
11.0	26.98	3123.9	3118.1	3093.3	4.65	5.13	4.58	-39.7	-44.9	-48.9	1.82		
11.5	28.60	3139.5	3132.4	3108.5	4.61	4.97	4.56	-38.3	-44.0	-48.3	1.71		
12.0	27.86	3154.8	3146.3	3124.2	4.47	4.92	4.46	-38.2	-45.7	-49.0	1.81		
12.5	28.60	3170.4	3160.6	3140.0	4.36	4.74	4.39	-37.5	-44.6	-47.5	1.41		
13.0	28.16	3186.5	3174.7	3155.9	4.24	4.65	4.22	-36.9	-44.0	-48.7	1.55		
13.5	28.88	3203.0	3189.1	3172.0	4.09	4.51	4.10	-36.3	-44.3	-48.6	1.50		
14.0	29.36	3219.6	3203.8	3188.2	4.04	4.33	3.94	-35.2	-44.2	-48.2	1.40		
14.5	29.76	3236.3	3218.7	3204.6	4.07	4.21	3.76	-34.7	-43.0	-47.4	1.70		
15.0	30.32	3252.9	3233.8	3220.8	4.08	4.14	3.69	-34.4	-41.8	-47.2	1.15		
15.5	28.56	3269.2	3248.1	3236.4	4.00	4.07	3.69	-34.0	-41.1	-47.6	0.95		
16.0	28.36	3284.5	3262.3	3251.4	3.86	3.91	3.69	-33.4	-39.2	-47.8	0.80		