

Voltage Controlled Oscillator

ROS-ED9357A/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	48.66	2787.9	2768.6	2754.0	4.31	4.25	3.65	-43.0	-46.4	-43.7	2.24	1	-72
1.0	41.68	2808.2	2789.4	2775.1	4.36	4.05	3.48	-45.5	-44.9	-44.5	2.29	10	-93
1.5	37.40	2825.9	2808.1	2794.1	4.64	4.13	3.44	-44.4	-43.2	-45.5	2.23	100	-115
2.0	33.72	2842.4	2825.0	2811.5	4.76	4.43	3.61	-45.2	-44.4	-45.4	2.17	1000	-135
2.5	31.48	2858.3	2840.7	2827.5	4.82	4.58	3.92	-43.5	-44.3	-45.7	2.21		
3.0	30.48	2874.2	2855.9	2842.6	4.77	4.46	4.11	-42.4	-43.5	-44.8	2.19		
3.5	30.40	2889.7	2871.1	2857.5	4.81	4.60	3.96	-42.3	-43.3	-46.2	2.23		
4.0	30.20	2904.5	2886.2	2872.4	4.75	4.63	4.13	-41.5	-43.2	-46.4	2.23		
4.5	29.42	2918.8	2901.0	2887.4	4.59	4.59	4.17	-41.0	-44.7	-46.4	2.11		
5.0	28.50	2932.9	2915.2	2902.0	4.38	4.45	4.15	-41.0	-44.5	-45.8	2.11		
5.5	28.08	2947.0	2929.2	2916.1	4.36	4.30	4.02	-39.0	-43.6	-44.7	2.06		
6.0	27.82	2961.3	2943.2	2930.1	4.22	4.20	3.87	-39.8	-44.0	-44.1	1.97		
6.5	28.36	2975.8	2957.3	2944.1	4.38	4.04	3.78	-38.7	-45.8	-46.4	1.96		
7.0	29.04	2990.4	2971.9	2958.3	4.57	4.14	3.62	-38.9	-48.1	-46.8	1.97		
7.5	29.30	3005.1	2986.5	2972.9	4.59	4.34	3.75	-38.2	-45.7	-46.8	1.93		
8.0	29.64	3019.7	3001.3	2987.8	4.65	4.09	3.96	-37.9	-45.0	-47.3	1.88		
8.5	29.66	3034.3	3016.2	3002.8	4.63	4.41	4.01	-37.4	-42.9	-47.0	1.83		
9.0	29.60	3049.1	3031.0	3017.8	4.55	4.40	4.08	-38.0	-44.2	-46.8	1.77		
9.5	29.88	3064.6	3045.9	3032.8	4.48	4.44	4.05	-37.3	-43.0	-46.7	1.76		
10.0	31.34	3080.4	3061.6	3048.1	4.41	4.33	3.97	-37.2	-44.9	-46.9	1.73		
10.5	32.24	3096.7	3077.7	3064.1	4.26	4.21	3.86	-36.8	-45.9	-46.7	1.68		
11.0	33.04	3113.0	3094.2	3080.7	4.16	4.06	3.76	-36.4	-45.4	-46.5	1.63		
11.5	33.48	3129.5	3110.9	3097.6	4.13	4.12	3.62	-36.9	-45.0	-47.2	1.52		
12.0	33.60	3146.3	3127.7	3114.6	4.10	3.92	3.48	-36.9	-45.5	-47.2	1.48		
12.5	33.92	3163.6	3144.7	3131.7	4.17	3.86	3.43	-36.9	-46.3	-46.8	1.40		
13.0	35.72	3181.3	3162.6	3149.0	4.02	3.89	3.40	-36.3	-43.7	-46.8	1.30		
13.5	35.92	3199.8	3180.5	3167.4	3.92	3.72	3.31	-36.7	-43.3	-46.6	1.20		
14.0	37.68	3217.8	3199.4	3185.8	3.92	3.58	3.31	-36.8	-41.5	-47.6	1.10		
14.5	36.24	3236.6	3217.5	3204.6	3.65	3.63	3.19	-37.1	-42.3	-47.7	0.95		