

Voltage Controlled Oscillator

ROS-EDR6183

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	244.02	2634.7	2607.9	2582.3	4.55	4.27	3.83	-29.1	-43.7	-50.9	-9.58	1	-68
0.5	209.39	2685.7	2660.3	2636.8	4.94	4.60	4.18	-30.0	-40.6	-47.7	-9.93	10	-92
0.8	189.69	2733.0	2707.7	2684.2	5.14	4.80	4.50	-31.0	-40.5	-46.4	-10.06	100	-113
1.0	171.34	2775.5	2750.5	2727.7	5.28	5.02	4.65	-32.3	-45.1	-45.7	-9.43	1000	-133
1.3	154.60	2814.3	2789.2	2766.6	5.46	5.08	4.71	-33.8	-44.1	-45.7	-7.10		
1.5	140.48	2849.6	2824.3	2801.1	5.47	5.21	4.82	-34.9	-46.4	-46.3	-5.74		
1.8	130.37	2881.5	2856.9	2834.3	5.58	5.21	4.90	-36.1	-46.6	-47.9	-4.64		
2.0	121.56	2912.8	2887.3	2864.8	5.72	5.29	4.80	-37.2	-50.1	-51.0	-3.85		
2.3	118.32	2942.5	2916.8	2893.7	5.71	5.33	4.93	-38.7	-48.7	-52.6	-3.22		
2.5	113.82	2970.4	2945.3	2922.7	5.68	5.33	4.97	-39.1	-50.3	-49.9	-2.66		
2.8	109.12	2998.2	2972.6	2950.3	5.77	5.31	4.90	-40.5	-52.9	-47.2	-2.12		
3.0	108.20	3026.3	2999.6	2976.6	5.83	5.34	4.84	-41.6	-55.1	-46.9	-1.72		
3.3	108.43	3052.9	3026.7	3003.4	5.66	5.33	4.89	-43.1	-55.9	-47.1	-1.30		
3.5	104.16	3078.6	3052.8	3030.4	5.66	5.21	4.90	-44.5	-55.8	-47.6	-0.92		
3.8	103.24	3105.5	3078.6	3056.0	5.75	5.21	4.73	-45.3	-54.1	-48.7	-0.63		
4.0	106.10	3131.4	3105.1	3081.3	5.66	5.24	4.65	-47.7	-52.5	-48.9	-0.40		
4.3	102.94	3156.6	3130.8	3108.1	5.57	5.07	4.69	-49.4	-51.1	-48.6	-0.29		
4.5	102.23	3182.1	3156.4	3134.2	5.47	5.01	4.58	-52.6	-50.1	-47.4	-0.26		
4.8	104.06	3207.5	3182.4	3160.0	5.43	4.97	4.44	-63.8	-48.8	-45.9	-0.37		
5.0	103.58	3233.6	3208.3	3185.8	5.34	4.87	4.28	-63.6	-49.3	-43.1	-0.64		
5.3	102.38	3258.3	3233.9	3212.1	5.22	4.73	4.20	-66.2	-49.0	-41.3	-1.02		
5.5	102.47	3283.3	3259.5	3238.7	5.02	4.62	4.08	-66.5	-50.1	-41.6	-1.55		
5.8	103.25	3308.5	3285.3	3264.0	4.94	4.47	3.88	-57.1	-51.4	-43.1	-2.23		
6.0	101.58	3333.9	3310.7	3289.4	4.88	4.30	3.60	-55.5	-51.6	-44.1	-2.94		
6.3	98.45	3358.2	3335.3	3314.6	4.70	4.12	3.44	-53.4	-58.1	-46.6	-3.77		
6.5	96.95	3381.4	3359.6	3339.5	4.44	3.94	3.30	-52.0	-51.4	-47.7	-4.63		
6.8	92.94	3405.0	3382.8	3362.5	4.20	3.77	3.09	-52.0	-50.1	-50.0	-5.28		
7.0	87.98	3428.0	3404.8	3384.4	4.19	3.53	2.74	-51.2	-48.3	-51.9	-5.95		