

Voltage Controlled Oscillator

ROSA-ED10175/1

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	24.20	2540.0	2536.1	2533.8	-0.58	-1.42	-2.46	-43.8	-43.1	-42.9	1.16	1	-82
1.0	21.68	2550.8	2546.9	2544.7	-0.50	-1.36	-2.42	-43.6	-43.1	-42.8	1.14	10	-110
1.5	21.06	2561.3	2557.4	2555.2	-0.46	-1.33	-2.36	-44.1	-40.2	-43.5	1.26	100	-130
2.0	21.34	2572.1	2568.1	2565.8	-0.45	-1.35	-2.37	-43.8	-39.2	-42.6	1.26	1000	-150
2.5	22.00	2583.2	2579.1	2576.7	-0.52	-1.39	-2.42	-44.4	-40.8	-42.9	1.32		
3.0	22.88	2594.6	2590.5	2588.0	-0.60	-1.44	-2.51	-44.6	-41.5	-43.8	1.40		
3.5	23.52	2606.4	2602.3	2599.7	-0.73	-1.56	-2.63	-44.9	-41.0	-44.1	1.40		
4.0	24.00	2618.4	2614.3	2611.6	-0.91	-1.73	-2.77	-44.7	-42.0	-43.4	1.40		
4.5	24.06	2630.4	2626.3	2623.6	-0.98	-1.84	-2.86	-44.2	-42.2	-42.7	1.32		
5.0	23.74	2642.2	2638.2	2635.5	-1.03	-1.86	-2.91	-44.3	-42.4	-42.7	1.26		
5.5	23.14	2653.8	2649.8	2647.0	-1.00	-1.87	-2.89	-43.3	-41.1	-42.7	1.28		
6.0	22.40	2664.9	2661.0	2658.2	-1.01	-1.90	-2.89	-44.0	-42.2	-43.1	1.28		
6.5	21.52	2675.6	2671.7	2669.0	-0.98	-1.91	-2.92	-44.0	-42.0	-42.1	1.26		
7.0	20.68	2685.9	2682.1	2679.3	-1.01	-1.92	-2.93	-42.5	-41.9	-44.0	1.34		
7.5	19.66	2695.7	2691.9	2689.2	-1.03	-1.94	-2.97	-44.2	-41.0	-42.5	1.32		
8.0	19.00	2705.1	2701.4	2698.7	-1.12	-1.99	-3.02	-43.0	-42.4	-43.0	1.40		
8.5	18.20	2714.1	2710.5	2707.8	-1.26	-2.10	-3.11	-43.6	-41.7	-43.8	1.46		
9.0	17.46	2722.8	2719.2	2716.6	-1.46	-2.24	-3.27	-41.9	-42.8	-42.8	1.46		
9.5	16.88	2731.1	2727.7	2725.1	-1.68	-2.52	-3.48	-39.1	-43.3	-43.0	1.52		
10.0	16.26	2739.2	2735.8	2733.3	-1.97	-2.73	-3.74	-40.9	-42.9	-41.9	1.54		