

Voltage Controlled Oscillator

ROS-ED9153/1

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			
1.0	44.84	2430.6	2403.4	2391.3	7.02	6.05	4.88	-15.2	-39.8	-32.2	0.90	1	-72
1.5	43.04	2453.3	2424.9	2413.0	7.42	6.56	5.49	-15.8	-40.2	-32.4	0.94	10	-95
2.0	43.58	2476.6	2446.7	2434.9	7.59	6.95	5.95	-16.1	-39.5	-32.6	1.01	100	-115
2.5	45.06	2500.0	2469.2	2457.4	7.53	7.23	6.33	-16.7	-39.4	-32.9	1.05	1000	-135
3.0	47.80	2524.3	2493.1	2481.3	7.40	7.15	6.46	-17.2	-41.4	-34.6	1.13		
3.5	50.58	2549.5	2518.4	2506.7	7.28	7.00	6.35	-17.9	-42.1	-35.2	1.16		
4.0	54.54	2575.6	2545.7	2533.6	7.43	6.73	6.09	-18.9	-44.2	-36.4	1.20		
4.5	59.60	2602.7	2575.5	2562.4	7.72	6.68	5.91	-19.9	-44.6	-38.0	1.21		
5.0	63.40	2632.1	2607.2	2592.6	7.82	6.78	6.13	-21.4	-43.3	-36.9	1.17		
5.5	64.26	2664.1	2639.3	2622.8	7.49	6.88	6.31	-23.0	-39.9	-37.7	1.21		
6.0	64.00	2697.1	2671.3	2652.7	6.79	6.55	6.34	-23.8	-39.1	-37.7	1.33		
6.5	61.12	2728.9	2701.9	2682.1	6.47	6.08	5.91	-24.6	-37.6	-37.8	1.37		
7.0	57.08	2759.2	2730.4	2710.0	6.52	5.94	5.59	-25.2	-37.9	-39.0	1.50		
7.5	54.26	2788.2	2757.5	2736.2	6.64	6.12	5.59	-25.8	-39.7	-39.5	1.59		
8.0	52.20	2815.2	2783.6	2761.3	6.77	6.25	5.77	-26.1	-42.1	-37.7	1.70		
8.5	49.28	2840.0	2808.3	2785.4	6.53	6.47	5.92	-26.6	-41.9	-36.1	1.75		
9.0	46.16	2863.9	2831.4	2808.4	6.03	6.43	6.15	-27.0	-43.1	-35.3	1.80		
9.5	43.62	2886.9	2853.2	2829.9	5.80	6.03	6.13	-27.4	-41.8	-35.2	1.89		
10.0	42.76	2908.7	2874.5	2850.4	5.77	5.72	5.82	-27.9	-40.8	-34.7	1.99		
10.5	40.88	2929.3	2895.0	2870.4	5.88	5.61	5.48	-28.3	-38.6	-34.6	2.03		
11.0	38.78	2948.8	2914.4	2889.8	6.09	5.64	5.31	-28.8	-38.5	-35.3	1.96		
11.5	36.20	2967.4	2932.5	2908.5	6.20	5.74	5.27	-28.7	-36.1	-35.1	2.01		
12.0	34.80	2985.6	2949.9	2926.0	6.29	5.98	5.30	-29.5	-35.7	-36.3	2.05		
12.5	33.52	3002.9	2966.6	2942.4	6.25	6.10	5.48	-29.9	-35.2	-37.5	2.11		
13.0	32.10	3019.2	2982.7	2958.0	6.14	6.21	5.65	-30.4	-34.6	-37.4	2.10		
13.5	30.92	3034.3	2998.1	2973.0	5.94	6.13	5.87	-31.2	-34.4	-38.3	2.14		
14.0	29.22	3048.7	3012.8	2987.4	5.75	6.12	5.86	-31.4	-34.2	-39.5	2.14		
14.5	27.12	3062.5	3026.3	3001.2	5.60	6.02	5.76	-31.9	-33.3	-39.8	2.11		
15.0	25.52	3075.8	3039.1	3014.1	5.56	5.83	5.76	-32.8	-33.4	-39.6	2.14		
15.5	24.28	3088.6	3051.2	3026.3	5.58	5.70	5.67	-33.3	-32.9	-40.0	2.11		
16.0	23.30	3100.7	3062.9	3037.7	5.61	5.57	5.48	-33.5	-32.6	-39.9	2.19		
16.5	22.30	3112.1	3074.0	3048.4	5.65	5.53	5.36	-34.4	-32.5	-39.5	2.26		
17.0	21.42	3122.8	3084.7	3058.7	5.78	5.53	5.28	-34.6	-31.9	-39.7	2.21		
17.5	20.38	3132.9	3094.9	3068.6	5.88	5.57	5.22	-35.0	-31.5	-39.8	2.26		
18.0	19.18	3142.4	3104.5	3078.1	5.91	5.61	5.21	-35.6	-31.5	-39.2	2.21		
18.5	18.22	3151.4	3113.6	3087.1	5.96	5.67	5.22	-36.2	-31.0	-40.5	2.21		
19.0	17.10	3160.0	3122.2	3095.7	5.98	5.70	5.25	-36.5	-31.0	-41.1	2.19		
19.5	16.08	3168.4	3130.2	3103.9	5.96	5.83	5.30	-36.4	-30.7	-40.4	2.21		
20.0	15.32	3176.4	3137.9	3111.6	5.89	5.91	5.31	-37.2	-31.2	-40.4	2.19		