

Voltage Controlled Oscillator

ROS-EDR4862

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	59.90	2144.7	2129.6	2119.4	5.44	5.22	3.99	-22.3	-50.3	-57.3	-0.26	1	-67
1.0	49.54	2169.0	2154.4	2144.8	5.74	5.41	4.40	-21.9	-51.1	-58.5	-0.26	10	-90
1.5	45.95	2194.6	2177.3	2169.4	6.01	5.69	4.58	-21.7	-52.7	-58.9	-0.45	100	-113
2.0	45.70	2218.3	2200.2	2191.9	6.18	6.08	4.70	-21.8	-53.1	-58.6	-0.51	1000	-131
2.5	45.82	2241.5	2223.1	2213.2	6.40	6.44	5.02	-21.5	-54.0	-60.1	-0.58		
3.0	47.36	2267.3	2246.8	2235.9	6.53	6.66	5.43	-20.2	-54.8	-60.8	-0.58		
3.5	47.87	2292.5	2270.7	2260.8	6.61	6.89	5.66	-19.7	-53.7	-60.7	-0.64		
4.0	49.15	2318.3	2295.3	2285.9	6.76	7.10	5.73	-20.1	-51.9	-61.7	-0.70		
4.5	52.22	2346.0	2321.4	2309.5	6.90	7.33	5.93	-20.5	-51.0	-60.1	-0.77		
5.0	55.30	2373.9	2349.1	2334.5	6.92	7.47	6.25	-20.8	-49.4	-60.1	-0.64		
5.5	55.94	2401.2	2377.0	2362.2	7.14	7.55	6.35	-21.0	-49.2	-60.1	-0.64		
6.0	53.25	2430.5	2403.6	2388.0	7.35	7.60	6.43	-22.4	-49.5	-60.0	-0.64		
6.5	50.82	2457.1	2429.1	2412.4	7.54	7.70	6.59	-23.7	-48.8	-60.8	-0.70		
7.0	49.79	2483.6	2454.0	2436.5	7.70	7.94	6.80	-25.4	-48.0	-60.8	-0.70		
7.5	48.64	2509.9	2478.3	2462.2	7.67	8.08	6.90	-26.0	-48.0	-59.6	-0.58		
8.0	46.34	2533.4	2501.4	2487.0	7.78	8.16	6.86	-27.9	-47.7	-59.3	-0.51		
8.5	46.72	2557.4	2524.8	2509.2	7.80	8.36	6.88	-28.6	-46.2	-59.2	-0.32		
9.0	48.26	2580.5	2548.9	2531.1	7.82	8.43	7.06	-30.5	-47.0	-58.1	-0.19		
9.5	51.58	2603.3	2574.7	2556.2	7.85	8.40	7.00	-31.5	-46.6	-57.5	0.06		
10.0	51.58	2625.5	2600.5	2580.3	7.91	8.23	6.86	-32.6	-46.1	-56.5	0.19		
10.5	48.00	2648.2	2624.5	2601.3	8.06	8.10	6.95	-33.8	-46.4	-55.2	0.19		
11.0	44.93	2671.4	2647.0	2624.0	8.07	8.20	7.14	-35.3	-47.4	-53.8	0.13		
11.5	42.75	2693.9	2668.4	2648.4	8.10	8.24	7.17	-36.6	-49.4	-52.2	0.06		
12.0	44.42	2716.8	2690.6	2672.2	8.10	8.32	7.07	-38.0	-51.6	-50.6	0.13		
12.5	44.93	2739.8	2713.0	2694.8	8.02	8.36	6.96	-39.2	-53.0	-50.2	0.13		
13.0	47.36	2762.1	2736.7	2715.9	7.96	8.35	6.95	-40.9	-55.1	-49.4	0.32		
13.5	48.38	2783.4	2760.9	2738.2	7.95	8.35	6.99	-42.5	-58.8	-49.4	0.32		
14.0	47.23	2805.1	2784.5	2762.6	7.94	8.26	6.91	-42.9	-60.5	-47.6	0.38		
14.5	46.46	2825.5	2807.7	2783.5	7.84	8.24	6.72	-44.3	-61.3	-47.7	0.32		
15.0	41.86	2845.4	2828.7	2802.0	7.81	8.17	6.67	-46.0	-62.3	-46.5	0.26		
15.5	40.19	2864.7	2848.8	2820.8	7.76	8.10	6.74	-46.8	-60.3	-45.9	0.19		
16.0	36.74	2884.0	2867.1	2841.6	7.71	8.06	6.83	-47.1	-60.1	-44.2	0.13		
16.5	34.56	2902.1	2884.4	2861.0	7.65	7.99	6.78	-48.7	-60.4	-44.4	0.06		
17.0	33.79	2919.9	2901.3	2878.3	7.58	7.92	6.60	-49.1	-59.0	-43.4	0.00		
17.5	33.15	2936.6	2917.9	2893.3	7.56	7.91	6.57	-48.1	-59.5	-42.4	0.00		
18.0	31.10	2952.6	2933.4	2908.5	7.54	7.87	6.48	-48.2	-61.2	-42.5	0.00		
18.5	31.23	2968.4	2949.1	2924.0	7.54	7.82	6.49	-48.6	-60.7	-42.6	0.06		
19.5	28.54	2996.9	2978.8	2954.9	7.34	7.82	6.46	-48.8	-61.5	-43.9	0.06		
20.0	28.29	3010.0	2993.0	2969.2	7.23	7.77	6.30	-48.6	-62.0	-45.0	0.13		