

Voltage Controlled Oscillator

ROS-EDR6412

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	30.02	2384.1	2375.9	2368.0	10.07	8.95	7.73	-21.8	-35.3	-31.7	0.30	1	-82
0.5	28.66	2391.3	2383.1	2375.1	10.24	8.84	7.75	-22.0	-36.3	-31.6	0.35	10	-106
0.8	30.04	2398.1	2390.6	2382.0	10.34	8.92	7.73	-22.0	-35.5	-32.0	0.36	100	-126
1.0	27.34	2404.8	2397.4	2389.0	10.38	9.10	7.74	-21.8	-34.0	-33.0	0.33	1000	-146
1.3	26.76	2411.6	2404.1	2395.9	10.41	9.20	7.86	-21.7	-33.6	-33.8	0.32		
1.5	26.85	2418.6	2410.8	2402.6	10.40	9.27	7.98	-21.7	-33.6	-35.0	0.33		
1.8	27.33	2425.9	2417.6	2409.4	10.51	9.31	8.07	-21.9	-34.1	-35.8	0.33		
2.0	28.84	2433.2	2424.8	2416.3	10.65	9.32	8.13	-22.1	-35.3	-36.8	0.35		
2.3	30.27	2440.5	2432.4	2423.4	10.75	9.47	8.18	-22.2	-35.1	-38.2	0.33		
2.5	29.78	2448.0	2439.9	2430.9	10.80	9.62	8.27	-22.1	-34.4	-39.3	0.30		
2.8	30.11	2455.7	2447.4	2438.5	10.75	9.71	8.39	-21.9	-34.3	-41.1	0.28		
3.0	30.65	2464.0	2455.0	2446.2	10.83	9.69	8.47	-21.8	-34.9	-41.6	0.25		
3.3	32.46	2472.1	2463.2	2454.0	10.90	9.61	8.48	-22.2	-36.5	-43.2	0.24		
3.5	34.02	2480.4	2471.7	2462.0	10.97	9.74	8.47	-21.9	-35.6	-43.2	0.17		
3.8	32.85	2488.6	2479.9	2470.4	11.07	9.86	8.54	-21.8	-35.2	-44.2	0.10		
4.0	33.04	2496.9	2488.1	2478.7	11.12	9.96	8.66	-21.5	-34.9	-44.1	0.03		
4.3	33.19	2505.6	2496.4	2487.0	11.22	10.02	8.75	-21.4	-34.8	-45.6	-0.04		
4.5	33.76	2514.0	2504.9	2495.4	11.37	10.03	8.80	-21.7	-36.7	-45.3	-0.12		
4.8	34.67	2522.4	2513.5	2503.7	11.44	10.14	8.83	-21.6	-36.9	-46.7	-0.20		
5.0	33.57	2530.6	2521.9	2512.2	11.46	10.28	8.93	-21.5	-37.2	-46.7	-0.28		
5.3	32.81	2539.0	2530.1	2520.6	11.49	10.32	9.03	-21.5	-38.2	-47.0	-0.36		
5.5	32.86	2547.2	2538.4	2528.8	11.53	10.28	9.09	-21.7	-41.8	-47.5	-0.45		
5.8	33.56	2555.3	2546.7	2536.9	11.53	10.30	9.09	-21.7	-44.1	-48.1	-0.53		
6.0	32.34	2563.3	2554.8	2545.0	11.56	10.35	9.05	-21.5	-42.2	-48.5	-0.59		
6.3	31.70	2571.3	2562.8	2553.0	11.53	10.38	9.03	-21.3	-41.8	-48.2	-0.65		
6.5	31.38	2579.2	2570.6	2560.8	11.50	10.38	9.05	-21.2	-42.3	-48.7	-0.71		
6.8	30.82	2587.1	2578.3	2568.5	11.55	10.35	9.06	-21.3	-41.8	-49.2	-0.75		
7.0	31.11	2594.8	2586.1	2576.1	11.57	10.32	9.06	-21.6	-44.7	-50.4	-0.82		