

Voltage Controlled Oscillator

ROS-EDR8774

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			
0.0	87.30	2478.2	2451.8	2431.8	4.73	4.42	4.06	-18.0	-19.6	-32.4	2.05	1	-70
0.3	76.80	2499.1	2473.7	2454.0	4.72	4.44	4.16	-18.2	-20.5	-32.9	1.28	10	-95
0.5	71.42	2517.3	2492.9	2473.9	4.75	4.41	4.19	-18.2	-20.7	-34.4	0.64	100	-117
0.8	64.26	2534.2	2510.7	2491.8	4.85	4.44	4.16	-17.6	-21.0	-32.9	0.38	1000	-137
1.0	62.72	2550.1	2526.8	2508.7	4.90	4.52	4.17	-18.2	-21.4	-35.5	0.13		
1.3	62.46	2565.9	2542.5	2524.4	4.93	4.60	4.24	-17.9	-22.4	-35.7	0.00		
1.5	60.42	2581.5	2558.1	2539.6	4.94	4.68	4.32	-17.4	-22.9	-34.3	0.13		
1.8	61.95	2596.7	2573.2	2554.7	4.97	4.69	4.39	-18.0	-23.7	-36.9	0.26		
2.0	58.11	2611.3	2588.7	2569.7	4.97	4.73	4.42	-17.4	-24.5	-34.9	0.38		
2.3	59.90	2626.9	2603.2	2584.9	4.95	4.74	4.45	-17.8	-24.5	-38.0	0.38		
2.5	59.65	2640.7	2618.2	2599.5	4.96	4.75	4.46	-17.9	-25.2	-35.7	0.64		
2.8	57.34	2655.5	2633.1	2614.3	4.93	4.75	4.48	-17.4	-25.3	-38.6	0.64		
3.0	60.16	2670.4	2647.4	2629.3	4.92	4.76	4.47	-18.1	-25.9	-37.0	0.64		
3.3	59.39	2685.6	2662.5	2643.8	4.88	4.75	4.48	-17.5	-26.9	-41.4	0.77		
3.5	60.67	2700.8	2677.3	2658.6	4.85	4.77	4.48	-17.6	-26.7	-40.1	0.77		
3.8	61.18	2716.5	2692.5	2673.5	4.80	4.75	4.51	-17.5	-28.0	-41.9	0.77		
4.0	60.67	2731.1	2707.8	2688.6	4.75	4.73	4.49	-17.4	-28.2	-41.3	0.77		
4.3	58.62	2745.9	2722.9	2703.7	4.70	4.69	4.49	-16.9	-28.5	-40.8	0.64		
4.5	56.58	2760.3	2737.6	2718.6	4.68	4.65	4.45	-17.0	-29.7	-42.5	0.77		
4.8	54.02	2774.7	2751.7	2732.9	4.56	4.61	4.41	-16.6	-29.6	-39.9	0.51		
5.0	55.30	2789.2	2765.2	2746.8	4.48	4.60	4.35	-16.7	-30.7	-42.2	0.38		
5.3	54.53	2803.3	2779.1	2760.0	4.36	4.52	4.34	-16.6	-31.5	-39.6	0.26		
5.5	51.71	2816.8	2792.7	2772.9	4.29	4.46	4.28	-16.3	-31.2	-41.5	0.26		
5.8	48.38	2829.3	2805.6	2785.7	4.22	4.36	4.26	-16.3	-32.4	-41.1	0.26		
6.0	44.80	2840.8	2817.7	2798.0	4.18	4.30	4.20	-16.2	-32.7	-41.8	0.13		
6.3	41.22	2851.6	2828.9	2809.5	4.16	4.23	4.12	-16.2	-32.5	-43.2	0.13		
6.5	37.63	2862.3	2839.2	2820.0	4.03	4.18	4.06	-16.0	-33.8	-38.3	0.26		
6.8	34.05	2872.3	2848.6	2829.5	4.01	4.18	3.99	-15.8	-34.8	-42.4	0.51		
7.0	34.05	2881.4	2857.2	2838.2	3.97	4.10	3.94	-15.8	-34.2	-42.9	0.51		

Notes

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