

Voltage Controlled Oscillator

ROS-EDR4672

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	235.70	2619.4	2593.1	2569.6	5.11	4.38	3.84	-24.4	-40.9	-62.5	-10.00	1	-67
0.5	203.80	2670.3	2644.1	2621.4	5.46	4.88	4.19	-26.1	-40.4	-56.8	-9.75	10	-93
0.8	185.30	2715.5	2690.4	2668.7	5.65	5.06	4.54	-27.4	-38.9	-52.5	-9.42	100	-112
1.0	164.30	2757.7	2731.5	2709.9	5.67	5.23	4.72	-28.4	-40.5	-50.1	-6.67	1000	-135
1.3	150.70	2794.7	2769.2	2747.5	5.85	5.40	4.89	-30.1	-44.0	-49.3	-5.46		
1.5	138.70	2828.5	2803.8	2782.1	6.03	5.41	4.74	-31.2	-46.7	-47.6	-4.17		
1.8	125.00	2860.8	2835.1	2813.6	6.21	5.41	4.91	-32.7	-48.2	-47.1	-2.79		
2.0	120.00	2890.8	2865.1	2843.8	5.72	5.58	4.92	-34.2	-51.8	-47.1	-2.92		
2.3	116.80	2919.4	2894.3	2872.7	5.73	5.25	5.10	-34.7	-48.3	-45.2	-2.08		
2.5	111.70	2947.9	2922.2	2900.5	5.91	5.26	4.44	-35.7	-51.8	-44.2	-1.13		
2.8	104.50	2974.7	2948.3	2927.3	5.76	5.26	4.45	-36.5	-51.6	-42.5	-1.42		
3.0	106.30	3001.4	2974.9	2953.7	5.77	5.10	4.46	-38.2	-51.9	-40.3	-1.04		
3.3	104.80	3027.3	3001.1	2979.5	5.94	5.10	4.13	-39.0	-52.9	-39.2	-0.17		
3.5	102.80	3053.3	3026.8	3005.0	5.95	5.44	4.30	-39.7	-54.1	-36.5	-0.13		
3.8	97.20	3078.5	3051.1	3029.8	5.80	5.28	4.48	-41.5	-54.6	-36.3	-0.33		
4.0	98.30	3102.8	3075.7	3054.9	5.97	5.28	4.49	-43.0	-54.6	-34.5	0.29		
4.3	102.20	3127.8	3101.3	3079.8	5.98	5.12	4.33	-44.4	-54.2	-33.8	0.88		
4.5	103.30	3152.6	3127.1	3104.6	5.83	5.29	4.33	-46.4	-56.4	-35.4	0.13		
4.8	95.50	3178.4	3151.0	3129.5	5.34	4.96	4.18	-48.5	-55.9	-35.1	0.17		
5.0	96.70	3202.1	3175.1	3154.4	5.51	4.46	3.85	-51.2	-55.2	-36.6	0.83		
5.3	100.50	3226.3	3200.3	3180.1	5.69	4.80	3.52	-54.0	-56.7	-38.1	0.04		
5.5	103.00	3251.3	3226.0	3205.2	5.70	4.97	3.70	-61.3	-57.9	-39.7	-0.92		
5.8	98.70	3276.5	3250.7	3230.1	5.54	4.81	3.71	-59.7	-57.9	-40.6	-0.50		
6.0	96.20	3300.3	3274.7	3254.8	5.39	4.48	3.55	-56.8	-58.5	-42.5	-1.42		
6.3	99.00	3324.5	3299.5	3280.0	5.40	4.15	3.39	-55.2	-57.9	-43.5	-2.92		
6.5	99.70	3348.3	3324.4	3304.4	5.41	4.32	3.06	-53.2	-59.0	-45.5	-3.29		
6.8	92.70	3371.5	3347.5	3327.7	5.42	4.32	3.23	-51.8	-60.2	-47.3	-3.79		
7.0	86.20	3393.7	3369.1	3349.8	4.92	3.99	2.91	-52.5	-60.0	-47.5	-5.13		