

Voltage Controlled Oscillator

ROS-EDR9595

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	121.65	2324.75	2261.61	2225.69	3.32	2.58	1.59	-20.86	-32.82	-58.25	0.99	1	-62
0.5	106.94	2381.26	2322.44	2289.52	3.50	2.49	1.48	-22.59	-30.32	-64.93	0.86	10	-88
1.0	104.49	2433.17	2375.91	2345.43	3.66	2.61	1.36	-24.65	-31.03	-51.42	0.68	100	-110
1.5	103.81	2482.40	2428.15	2399.04	3.65	2.67	1.40	-26.48	-34.38	-51.14	0.52	1000	-130
2.0	107.31	2532.90	2480.06	2452.50	3.89	2.62	1.40	-28.19	-37.35	-55.21	0.47		
2.5	114.40	2586.17	2533.72	2507.86	4.06	2.86	1.46	-30.68	-37.46	-55.67	0.35		
3.0	119.41	2640.12	2590.91	2565.55	4.13	2.99	1.47	-32.81	-38.29	-51.74	0.30		
3.5	126.01	2698.57	2650.62	2625.55	4.39	3.11	1.63	-35.23	-41.11	-48.08	0.24		
4.0	131.88	2759.47	2713.62	2689.75	4.57	3.42	1.79	-39.81	-46.65	-50.27	0.10		
4.5	136.59	2822.61	2779.56	2756.90	4.52	3.63	1.99	-47.12	-52.93	-57.58	0.15		
5.0	137.49	2888.17	2847.86	2825.21	4.81	3.78	2.11	-52.29	-56.46	-53.66	0.51		
5.5	137.48	2955.44	2916.60	2894.80	5.04	4.03	2.57	-41.28	-55.20	-50.10	0.95		
6.0	135.60	3022.81	2985.34	2965.01	5.30	4.29	2.87	-35.62	-55.56	-47.88	1.37		
6.5	131.67	3087.76	3053.14	3034.57	5.30	4.63	3.23	-30.96	-52.70	-50.31	1.60		
7.0	127.63	3149.57	3118.98	3102.59	5.63	4.84	3.28	-27.58	-53.54	-59.36	1.60		
7.5	119.44	3211.43	3182.79	3164.71	5.82	4.78	3.63	-25.00	-48.78	-55.29	1.69		
8.0	119.29	3271.39	3242.51	3225.96	5.85	5.05	4.00	-23.50	-49.24	-62.39	1.78		
8.5	111.62	3328.46	3302.16	3286.01	6.04	5.09	3.98	-22.84	-56.91	-46.98	1.64		
9.0	107.22	3385.42	3357.97	3340.97	6.16	5.09	4.32	-20.95	-68.72	-46.20	2.09		
9.5	108.22	3440.54	3411.58	3396.23	5.90	5.45	4.49	-19.20	-59.72	-46.46	1.68		
10.0	101.05	3490.49	3465.69	3451.81	6.09	5.38	4.14	-18.33	-56.71	-42.97	1.57		
10.5	94.39	3540.36	3516.22	3498.91	5.98	5.07	4.41	-17.68	-56.14	-43.26	2.14		
11.0	91.65	3588.41	3563.41	3547.55	5.91	5.13	4.36	-19.54	-52.69	-44.63	1.92		
11.5	93.97	3637.64	3609.24	3594.41	5.30	5.15	4.33	-22.50	-51.58	-47.67	1.74		
12.0	88.08	3680.35	3656.22	3642.27	5.57	4.90	3.84	-24.77	-53.78	-51.80	1.60		
12.5	86.23	3726.71	3700.26	3683.66	5.10	4.69	4.01	-26.08	-53.11	-55.28	2.22		
13.0	95.11	3769.18	3743.38	3727.29	5.01	4.52	3.65	-27.24	-52.80	-56.24	1.88		
13.5	69.81	3811.37	3790.93	3768.94	4.71	3.80	3.50	-26.26	-47.16	-56.52	2.32		
14.0	79.39	3853.72	3825.84	3809.13	4.21	3.91	3.17	-27.08	-45.86	-61.10	1.99		
15.0	59.96	3928.16	3907.90	3884.97	3.80	2.89	2.65	-31.08	-44.06	-60.41	3.39		
15.5	73.11	3964.34	3937.88	3922.80	3.39	3.16	2.05	-32.46	-44.18	-56.84	1.76		
16.5	61.81	4030.50	4004.71	3990.44	2.88	2.52	1.33	-33.63	-45.97	-58.49	1.75		
17.0	69.78	4066.26	4035.61	4019.86	2.33	2.16	1.36	-33.84	-46.65	-58.10	1.90		
18.0	59.48	4124.42	4094.94	4080.51	1.80	1.72	0.52	-34.88	-53.89	-56.37	1.61		
18.5	46.66	4149.23	4124.69	4104.04	1.74	1.10	0.58	-35.11	-53.96	-55.46	2.27		
19.5	42.25	4198.39	4173.80	4154.88	1.34	0.67	-0.12	-36.18	-53.51	-57.45	2.50		
20.0	42.25	4220.77	4194.93	4177.51	1.23	0.56	-0.46	-36.96	-56.85	-58.04	1.33		

Notes

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