

Voltage Controlled Oscillator

ROS-EDR9745

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	100.91	2552.32	2523.56	2501.15	8.68	8.09	7.42	-30.99	-37.32	-52.93	2.28	1	-65
0.5	88.45	2601.76	2574.02	2554.02	8.75	8.15	7.26	-30.08	-39.51	-49.86	2.32	10	-92
1.0	83.09	2644.14	2618.24	2599.95	8.65	8.14	7.18	-29.28	-39.10	-49.51	2.30	100	-115
1.5	80.90	2684.39	2659.79	2641.87	8.54	7.95	7.01	-29.23	-33.62	-48.38	2.28	1000	-135
2.0	80.65	2724.34	2700.24	2682.70	8.53	7.84	6.83	-28.45	-33.34	-47.77	2.33		
2.5	86.35	2764.54	2740.57	2724.46	8.47	7.88	6.78	-28.75	-33.56	-47.35	2.28		
3.0	89.26	2805.86	2783.74	2766.96	8.48	7.79	6.70	-27.48	-34.08	-45.11	2.24		
3.5	97.25	2851.22	2828.37	2811.29	8.28	7.70	6.68	-27.33	-33.62	-45.50	2.21		
4.0	106.08	2899.51	2877.00	2860.83	8.25	7.56	6.47	-25.14	-31.81	-47.44	2.10		
4.5	116.22	2952.61	2930.04	2913.85	8.15	7.57	6.56	-24.68	-32.85	-50.71	1.98		
5.0	122.32	3010.77	2988.15	2971.77	8.07	7.48	6.49	-24.67	-32.52	-47.53	1.66		
5.5	124.31	3069.95	3049.31	3033.19	8.06	7.37	6.41	-22.78	-33.30	-46.55	1.18		
6.0	121.86	3131.85	3111.47	3095.67	7.98	7.33	6.44	-21.63	-37.23	-47.35	0.58		
6.5	117.18	3192.41	3172.40	3156.69	7.69	7.11	6.32	-20.29	-40.74	-48.14	0.05		
7.0	113.34	3250.40	3230.99	3216.00	7.61	7.01	6.17	-19.79	-44.54	-45.27	0.29		
7.5	105.62	3306.34	3287.66	3272.43	7.48	6.83	6.08	-20.09	-46.02	-45.53	0.43		
8.0	102.72	3360.04	3340.47	3325.97	7.26	6.68	5.98	-19.00	-48.42	-43.74	0.47		
8.5	98.99	3409.97	3391.83	3377.41	7.11	6.52	5.82	-18.80	-46.78	-43.36	0.39		
9.0	91.79	3459.15	3441.32	3425.90	7.03	6.47	5.70	-18.26	-45.36	-43.83	0.31		
9.5	91.42	3506.49	3487.22	3472.90	6.78	6.30	5.64	-17.85	-44.14	-44.10	0.23		
10.0	87.38	3550.61	3532.93	3518.63	6.60	6.06	5.36	-17.10	-43.24	-44.30	0.16		
10.5	84.71	3594.07	3576.62	3561.79	6.42	5.94	5.26	-17.44	-42.00	-45.99	0.11		
11.0	80.84	3636.64	3618.97	3604.03	6.29	5.75	5.08	-17.82	-42.64	-47.79	0.09		
11.5	82.25	3676.49	3659.39	3645.57	6.03	5.58	4.94	-18.21	-41.99	-49.19	0.06		
12.0	74.58	3716.64	3700.52	3684.68	5.85	5.36	4.68	-19.09	-40.52	-49.40	0.04		
12.5	76.92	3754.58	3737.81	3724.20	5.61	5.16	4.55	-20.49	-39.13	-53.49	0.08		
13.0	70.34	3792.38	3776.27	3761.04	5.43	5.01	4.35	-22.96	-38.33	-51.60	0.11		
13.5	70.84	3828.62	3811.44	3798.12	5.13	4.77	4.20	-26.29	-38.13	-47.06	0.17		
14.0	65.61	3862.78	3846.86	3833.01	4.79	4.43	3.89	-29.72	-39.02	-48.12	0.22		
14.5	65.24	3896.7	3879.7	3866.3	4.60	4.14	3.58	-31.6	-39.3	-51.4	0.28		
15.0	59.20	3927.9	3912.3	3899.5	4.35	4.02	3.43	-33.9	-42.0	-56.3	0.29		
15.5	60.68	3959.6	3941.9	3929.0	4.22	3.78	3.25	-36.5	-42.3	-56.8	0.32		
16.0	50.09	3986.8	3972.2	3957.3	4.08	3.74	3.01	-35.7	-42.5	-52.6	0.27		
16.5	49.68	4013.5	3997.3	3985.3	3.79	3.49	3.00	-32.7	-41.8	-50.7	0.29		
17.0	49.68	4040.7	4022.1	4009.7	3.64	3.21	2.72	-31.7	-40.4	-51.1	0.23		

Notes

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