

Voltage Controlled Oscillator

ROS-ED12735/1

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	91.42	1605.1	1585.1	1568.9	6.25	5.88	5.51	-18.14	-31.37	-53.62	5.24	1	-66
1.0	97.57	1706.4	1681.5	1664.7	6.42	5.90	5.44	-17.57	-43.55	-64.53	5.21	10	-88
2.0	104.11	1811.1	1780.1	1760.4	6.05	5.28	4.55	-16.87	-31.35	-56.17	5.95	100	-108
3.0	118.23	1923.0	1888.5	1867.0	6.51	5.77	4.83	-17.76	-31.22	-49.86	6.03	1000	-128
4.0	126.61	2048.9	2012.4	1991.9	6.49	5.97	4.90	-19.42	-36.45	-47.39	4.92		
5.0	148.33	2188.8	2154.1	2133.1	6.21	5.66	4.75	-21.68	-50.22	-49.71	3.95		
6.0	128.90	2320.8	2295.5	2278.9	6.36	5.84	4.80	-23.02	-44.20	-38.45	0.23		
7.0	121.09	2437.9	2420.6	2410.7	6.67	5.97	5.12	-26.96	-41.37	-39.60	0.00		
8.0	118.71	2558.9	2543.3	2534.5	6.59	5.88	5.11	-33.11	-41.18	-50.01	1.37		
9.0	109.34	2677.1	2659.0	2648.3	5.64	5.16	4.46	-28.24	-41.42	-71.39	2.51		
10.0	97.81	2786.6	2765.2	2752.3	5.06	4.65	4.01	-26.08	-39.97	-52.29	3.39		
11.0	90.86	2885.9	2861.6	2846.9	4.72	4.37	3.98	-25.99	-42.68	-51.11	4.24		
12.0	83.82	2976.7	2952.7	2935.8	4.43	3.89	3.36	-28.45	-37.68	-57.37	4.84		
13.0	83.00	3060.9	3035.5	3016.5	4.34	4.08	3.47	-31.01	-34.33	-68.11	5.63		
14.0	72.68	3136.0	3110.0	3091.7	4.20	3.78	3.16	-34.14	-31.72	-61.30	5.84		
15.0	60.77	3202.3	3178.2	3160.3	3.82	3.73	3.40	-38.21	-32.26	-62.82	5.78		
16.0	59.73	3265.5	3240.0	3220.1	3.99	3.58	3.20	-42.88	-31.33	-58.96	6.62		
17.0	49.62	3318.4	3295.1	3276.3	3.77	3.43	2.86	-43.15	-31.87	-57.24	6.48		
18.0	49.86	3369.6	3343.4	3323.3	3.55	3.62	3.32	-41.04	-32.67	-56.42	7.49		
19.0	41.60	3414.1	3389.3	3369.5	3.48	3.38	3.19	-38.82	-33.76	-66.94	7.32		
20.0	36.46	3454.3	3428.9	3409.2	3.38	3.06	2.74	-37.27	-34.53	-67.83	7.65		
21.0	36.32	3492.0	3465.7	3444.7	3.27	3.00	2.53	-35.63	-34.21	-66.95	8.48		
22.0	29.21	3522.7	3498.8	3478.4	3.12	3.06	2.64	-35.68	-32.40	-67.56	7.95		
23.0	25.40	3551.3	3525.7	3506.5	2.99	3.04	2.78	-33.91	-32.52	-65.31	8.01		
24.0	24.35	3578.4	3550.7	3529.7	3.00	3.06	2.80	-34.28	-34.06	-63.61	9.03		
25.0	20.33	3600.6	3573.3	3550.7	2.96	2.92	2.61	-33.35	-32.06	-64.29	9.21		
26.0	16.06	3618.2	3591.5	3569.3	2.85	2.72	2.44	-33.31	-33.96	-66.51	9.11		
27.0	12.32	3631.4	3605.7	3583.9	2.66	2.54	2.20	-34.10	-33.55	-68.05	9.00		
28.0	9.39	3641.6	3616.6	3595.3	2.54	2.40	2.06	-34.03	-35.01	-66.85	8.80		
29.0	7.27	3649.8	3625.0	3604.0	2.40	2.29	1.96	-33.12	-37.06	-66.55	8.62		
30.0	5.83	3656.6	3631.6	3611.1	2.26	2.21	1.90	-32.59	-38.81	-66.54	8.55		