

Voltage Controlled Oscillator

ROS-ED12527/1

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	20.23	2959.1	2947.1	2941.6	6.72	6.08	5.18	-28.12	-26.42	-50.61	0.56	1	-75
1.0	17.73	2976.9	2965.3	2960.3	6.70	5.95	5.23	-28.00	-27.47	-51.54	0.58	10	-100
2.0	19.67	2995.5	2983.8	2978.6	6.65	6.04	5.34	-27.37	-25.96	-52.63	0.59	100	-120
3.0	23.68	3017.8	3005.2	2999.5	6.48	5.98	5.34	-26.99	-26.33	-55.73	0.60	1000	-140
4.0	27.38	3043.9	3030.8	3024.6	6.40	6.09	5.45	-26.78	-25.49	-71.13	0.62		
5.0	27.43	3071.1	3058.5	3052.3	6.64	6.21	5.60	-25.80	-23.60	-58.73	0.55		
6.0	27.22	3098.2	3085.7	3079.5	6.71	6.09	5.42	-25.67	-23.41	-55.51	0.53		
7.0	28.38	3126.2	3113.1	3106.6	6.51	5.97	5.35	-25.36	-23.48	-55.00	0.51		
8.0	29.76	3155.7	3142.2	3135.2	6.31	5.97	5.43	-25.18	-22.65	-54.62	0.54		
9.0	28.81	3184.6	3171.6	3164.6	6.51	6.18	5.65	-24.31	-20.54	-54.45	0.54		
10.0	28.67	3213.3	3200.2	3193.1	6.71	6.25	5.66	-24.54	-21.88	-55.09	0.53		
11.0	30.61	3243.6	3229.7	3222.0	6.38	6.13	5.62	-24.54	-22.41	-56.09	0.56		
12.0	31.35	3274.9	3260.9	3252.8	6.08	5.82	5.42	-24.63	-22.64	-53.88	0.56		
13.0	30.27	3305.3	3291.7	3283.6	6.09	5.72	5.25	-24.03	-22.21	-51.19	0.53		
14.0	30.29	3335.7	3321.7	3313.4	6.25	5.87	5.35	-23.76	-22.05	-50.21	0.51		
15.0	32.02	3367.8	3352.9	3343.8	6.09	6.12	5.72	-24.18	-22.65	-59.03	0.51		
16.0	31.24	3399.4	3384.8	3375.5	6.27	6.26	6.01	-23.84	-23.67	-53.54	0.47		
17.0	29.86	3429.9	3415.2	3405.8	6.27	6.05	5.74	-24.08	-23.21	-53.06	0.41		
18.0	29.91	3460.6	3444.9	3435.0	5.95	5.84	5.50	-23.44	-23.31	-53.78	0.35		
19.0	29.05	3490.7	3474.6	3464.0	5.60	5.72	5.49	-23.33	-23.68	-54.42	0.26		
20.0	25.63	3518.2	3502.3	3491.5	5.75	5.87	5.65	-22.55	-23.98	-56.17	0.15		
21.0	22.73	3543.0	3525.4	3515.7	6.05	5.85	5.73	-23.20	-25.47	-58.16	0.01		
22.0	20.12	3565.5	3546.9	3536.7	5.92	6.01	5.67	-23.44	-25.99	-64.22	0.02		