

Voltage Controlled Oscillator

ROS-ED12948/2

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	93.37	1408.99	1385.94	1356.24	11.33	10.18	9.94	-18.32	-25.40	-76.82	1.58	1	-68
1.0	72.63	1490.53	1469.70	1452.84	10.81	10.25	9.55	-19.99	-19.96	-33.10	1.07	10	-93
2.0	82.05	1570.43	1544.76	1523.56	10.80	9.98	9.84	-22.39	-19.43	-33.51	0.78	100	-113
3.0	84.86	1647.89	1621.59	1599.85	11.52	9.92	10.17	-24.94	-18.27	-75.52	1.09	1000	-133
4.0	86.53	1729.94	1708.43	1695.24	11.19	9.97	9.51	-28.53	-18.34	-34.36	1.30		
5.0	99.81	1829.49	1805.05	1793.22	11.10	10.05	9.54	-30.54	-19.72	-40.21	2.74		
6.0	123.71	1955.24	1926.19	1913.31	11.37	9.79	9.35	-35.50	-21.38	-75.81	4.22		
7.0	127.19	2079.67	2052.84	2039.65	11.21	9.67	9.44	-39.00	-20.64	-49.58	5.31		
8.0	117.57	2201.44	2175.46	2162.05	10.98	9.77	9.38	-31.91	-19.36	-57.27	6.00		
9.0	110.91	2319.18	2292.51	2278.64	10.40	9.31	9.39	-27.18	-20.18	-60.07	5.69		
10.0	107.85	2433.11	2405.12	2394.33	10.17	9.09	8.88	-22.89	-22.74	-56.01	5.04		
11.0	101.52	2537.11	2513.14	2507.02	9.51	8.80	8.44	-20.36	-23.76	-53.23	4.27		
12.0	90.71	2634.99	2613.37	2608.29	9.27	8.64	7.97	-18.68	-27.91	-46.60	3.30		
13.0	86.01	2721.86	2702.37	2696.39	8.77	8.45	7.74	-17.40	-30.16	-46.27	1.89		
14.0	72.16	2801.98	2779.50	2776.81	8.91	8.37	7.54	-17.00	-34.63	-51.91	0.13		
15.0	67.25	2872.11	2850.79	2853.50	8.75	8.29	7.14	-17.61	-39.47	-49.85	1.13		
16.0	66.52	2944.30	2919.36	2923.35	8.35	8.18	6.59	-18.30	-45.68	-50.20	1.21		
17.0	54.72	3007.43	2980.12	2982.10	7.89	8.03	6.38	-18.45	-50.83	-52.93	1.01		
18.0	55.58	3065.88	3036.31	3029.28	7.50	7.86	6.73	-18.71	-50.31	-72.17	1.18		
19.0	45.24	3117.71	3085.95	3080.59	7.03	7.59	6.12	-18.48	-46.56	-58.37	1.12		
20.0	46.29	3153.00	3130.45	3128.68	7.34	7.84	6.06	-18.37	-44.46	-58.82	1.36		
21.0	36.45	3198.26	3171.61	3163.88	7.35	7.69	6.29	-18.11	-43.55	-57.08	1.30		
22.0	34.51	3239.42	3206.64	3201.47	6.49	7.83	6.15	-18.26	-43.04	-56.01	1.54		
23.0	33.61	3269.50	3240.99	3238.78	7.08	7.04	5.71	-18.73	-42.51	-55.17	1.64		
24.0	28.78	3301.63	3272.40	3266.79	6.49	6.91	5.52	-18.65	-41.90	-52.40	1.53		