

Voltage Controlled Oscillator

ROS-ED12577/3

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	59.67	1219.9	1194.7	1183.0	3.48	3.74	3.65	-6.60	-29.82	-47.71	0.90	1	-72
1.0	51.26	1273.3	1248.5	1238.1	3.57	3.56	3.40	-7.22	-40.10	-52.96	1.02	10	-97
2.0	57.33	1329.6	1303.3	1291.5	3.60	3.36	3.19	-7.40	-40.37	-52.58	1.04	100	-118
3.0	69.34	1395.8	1367.4	1353.5	3.73	3.32	2.99	-7.72	-37.49	-48.14	1.01	1000	-138
4.0	83.48	1474.4	1444.3	1429.3	3.71	3.39	2.86	-7.90	-36.44	-41.85	0.86		
5.0	92.38	1559.5	1532.0	1518.6	3.98	3.40	2.69	-8.42	-39.31	-37.20	0.37		
6.0	86.52	1642.8	1622.1	1614.5	4.45	3.71	2.96	-8.12	-41.39	-32.27	0.43		
7.0	98.29	1723.8	1709.9	1708.0	4.78	3.85	2.98	-11.52	-42.99	-37.37	1.20		
8.0	92.38	1825.1	1806.9	1802.7	3.80	3.14	2.63	-20.75	-35.89	-43.04	1.17		
9.0	88.15	1918.4	1897.0	1892.4	3.47	3.16	2.73	-27.57	-34.14	-36.49	1.24		
10.0	84.05	2004.5	1982.2	1977.4	3.59	3.35	2.98	-29.75	-30.68	-35.62	1.28		
11.0	76.53	2085.1	2062.3	2057.5	3.97	3.57	3.20	-29.40	-28.62	-35.36	1.23		
12.0	72.06	2160.5	2136.8	2131.6	4.29	3.93	3.56	-28.18	-28.08	-38.57	1.14		
13.0	65.16	2228.7	2205.1	2199.6	4.58	4.23	3.84	-28.10	-28.04	-36.83	0.90		
14.0	57.79	2289.8	2266.1	2260.6	4.83	4.46	4.06	-29.20	-28.07	-34.05	0.67		
15.0	54.38	2346.9	2321.7	2316.3	4.93	4.62	4.29	-32.30	-28.54	-34.12	0.39		
16.0	47.59	2399.7	2373.5	2367.4	5.16	4.66	4.43	-31.90	-26.22	-36.94	0.06		
17.0	42.10	2444.9	2419.1	2412.0	5.32	4.88	4.64	-30.08	-26.18	-40.16	0.45		
18.0	37.62	2484.6	2458.6	2451.2	5.27	4.95	4.64	-29.22	-25.62	-39.79	0.72		
19.0	32.80	2519.8	2494.2	2486.9	5.40	5.04	4.92	-27.69	-26.22	-38.70	0.93		
20.0	34.89	2552.1	2525.4	2518.0	5.20	5.06	4.78	-27.95	-25.17	-37.83	1.08		
21.0	26.16	2579.9	2554.0	2546.6	5.30	5.09	5.04	-28.16	-26.08	-38.32	1.23		
22.0	23.38	2605.7	2578.4	2571.1	5.44	5.10	4.87	-27.26	-26.43	-38.80	1.35		
23.0	21.53	2628.1	2601.1	2593.2	5.16	5.20	5.04	-26.62	-27.22	-40.04	1.47		
24.0	17.99	2647.7	2620.9	2613.2	5.34	5.07	5.04	-27.13	-27.25	-41.63	1.52		
25.0	15.89	2665.5	2637.7	2630.1	5.39	5.08	4.93	-26.10	-26.92	-43.33	1.64		
26.0	14.37	2680.9	2652.9	2644.8	5.20	5.06	4.88	-26.46	-26.89	-43.96	1.84		
27.0	12.49	2694.0	2666.4	2658.1	5.26	5.11	5.01	-25.66	-27.79	-44.49	2.00		
28.0	10.67	2705.4	2678.0	2669.7	5.33	5.00	4.94	-26.53	-27.27	-43.71	2.18		