

Voltage Controlled Oscillator

ROS-EDR5585

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			
0.5	99.92	1437.2	1411.2	1389.2	5.98	6.14	5.75	-22.0	-28.0	-46.0	0.41	1	-68
1.0	88.08	1478.6	1455.3	1436.3	5.92	6.02	5.42	-24.2	-29.7	-49.3	0.35	10	-93
1.5	84.66	1520.6	1497.6	1481.2	5.67	5.81	5.05	-25.7	-32.1	-53.2	0.38	100	-116
2.0	93.25	1570.3	1544.2	1527.6	5.64	5.60	4.32	-26.9	-36.9	-51.6	0.45	1000	-135
2.5	91.27	1617.5	1589.9	1573.9	5.72	5.61	4.02	-29.4	-37.7	-51.4	0.47		
3.0	93.87	1664.4	1636.8	1621.2	5.84	5.57	3.55	-32.4	-37.2	-52.3	0.44		
3.5	96.43	1713.5	1685.0	1669.6	5.85	5.49	3.18	-37.2	-36.9	-52.3	0.44		
4.0	102.80	1764.0	1736.4	1720.6	5.88	5.53	2.66	-46.9	-36.9	-53.5	0.36		
4.5	104.34	1817.3	1788.6	1773.5	5.84	5.55	1.87	-41.4	-37.2	-52.8	0.29		
5.0	106.99	1870.0	1842.1	1826.6	6.08	5.51	2.36	-34.2	-39.0	-51.8	0.19		
5.5	105.60	1922.4	1894.9	1878.6	6.06	5.65	2.82	-31.3	-41.4	-52.1	0.11		
6.0	104.72	1973.6	1947.2	1931.1	6.28	5.88	2.78	-30.3	-43.5	-50.8	-0.01		
6.5	99.09	2023.9	1996.8	1980.6	6.45	6.04	3.43	-29.9	-45.4	-49.9	-0.07		
7.0	96.37	2071.8	2045.0	2028.4	6.49	6.09	3.89	-29.9	-47.0	-46.3	-0.16		
7.5	91.55	2116.8	2090.7	2074.0	6.58	6.16	4.25	-29.3	-46.6	-46.8	-0.19		
8.0	87.85	2160.5	2134.7	2117.5	6.62	6.23	4.56	-29.5	-48.3	-47.8	-0.27		
8.5	84.72	2201.6	2177.0	2159.6	6.61	6.30	4.87	-29.8	-49.3	-48.6	-0.29		
9.0	78.21	2240.6	2216.1	2199.2	6.55	6.31	5.13	-30.0	-49.3	-49.5	-0.36		
9.5	76.63	2278.1	2254.5	2237.3	6.44	6.21	5.24	-30.6	-50.1	-51.4	-0.41		
10.0	73.21	2314.0	2291.1	2274.4	6.23	6.08	5.25	-31.6	-48.8	-53.1	-0.40		
10.5	71.31	2350.0	2326.7	2309.7	5.88	5.93	5.17	-33.5	-51.4	-54.5	-0.44		
11.0	69.45	2385.7	2361.4	2343.8	5.56	5.69	5.09	-34.8	-49.5	-56.1	-0.46		
11.5	67.22	2419.9	2395.0	2376.4	5.36	5.52	4.90	-35.9	-49.4	-57.2	-0.54		
12.0	65.32	2452.7	2427.7	2408.5	5.32	5.32	4.83	-36.1	-47.1	-57.8	-0.60		
12.5	62.57	2485.0	2459.0	2439.2	5.37	5.23	4.74	-35.8	-46.1	-58.3	-0.66		
13.0	60.25	2515.7	2489.1	2469.4	5.35	5.30	4.70	-35.3	-45.2	-58.6	-0.70		
13.5	58.03	2545.9	2518.1	2497.2	5.17	5.26	4.68	-35.0	-44.3	-58.4	-0.79		
14.0	57.09	2573.8	2546.7	2524.6	5.13	5.06	4.69	-34.8	-43.4	-58.1	-0.81		
14.5	52.23	2600.0	2572.8	2551.6	5.13	4.97	4.41	-34.9	-43.4	-57.3	-0.77		
15.0	49.15	2626.1	2597.4	2575.6	5.07	4.97	4.37	-34.5	-43.2	-55.6	-0.83		
15.5	49.33	2650.9	2622.0	2598.7	4.92	4.89	4.36	-34.6	-42.2	-53.7	-0.91		
16.0	46.40	2673.5	2645.2	2621.9	4.67	4.82	4.29	-34.5	-42.2	-52.3	-0.94		
16.5	42.94	2694.9	2666.7	2643.2	4.60	4.54	4.25	-34.6	-42.0	-51.5	-1.04		
17.0	40.34	2715.1	2686.9	2663.9	4.54	4.44	3.97	-34.5	-40.1	-52.1	-1.13		
17.5	38.66	2735.3	2706.2	2683.0	4.48	4.36	3.84	-35.5	-38.9	-51.6	-1.33		
18.0	37.61	2754.7	2725.0	2701.5	4.37	4.29	3.78	-35.3	-37.0	-51.4	-1.43		