

Voltage Controlled Oscillator

ROS-EDR10332/1

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	103.55	1107.1	1088.4	1072.3	9.22	9.59	9.71	-13.61	-23.91	-29.72	0.49	1	-75
0.5	90.04	1157.0	1140.2	1125.8	9.06	9.35	9.51	-13.66	-22.23	-28.85	0.66	10	-101
1.0	83.84	1201.4	1185.2	1171.5	8.88	9.27	9.46	-14.17	-23.26	-28.41	0.77	100	-123
1.6	80.46	1250.9	1235.2	1221.8	8.65	9.01	9.23	-14.22	-22.36	-28.49	0.85	1000	-143
2.0	78.90	1283.0	1267.5	1254.3	8.53	8.86	9.10	-14.58	-23.70	-29.37	0.90		
2.5	77.98	1322.4	1307.0	1293.8	8.35	8.69	8.98	-14.98	-23.00	-28.78	0.93		
3.0	77.65	1361.4	1346.0	1332.9	8.12	8.52	8.83	-15.15	-18.95	-25.75	0.93		
3.5	76.51	1400.1	1384.8	1371.7	8.05	8.39	8.73	-15.84	-20.57	-21.73	0.98		
4.0	76.61	1438.2	1423.1	1410.3	7.99	8.31	8.70	-16.25	-21.25	-22.99	0.99		
4.5	75.72	1476.3	1461.4	1448.6	7.88	8.23	8.53	-16.70	-18.58	-22.25	1.00		
5.0	75.31	1513.9	1499.2	1486.7	7.76	8.20	8.50	-17.35	-19.81	-22.25	1.01		
5.5	74.30	1551.3	1536.9	1524.4	7.73	8.06	8.40	-18.05	-21.62	-23.43	1.06		
6.0	73.41	1588.1	1574.0	1561.9	7.67	8.07	8.35	-19.07	-20.11	-23.65	1.06		
6.5	72.51	1624.6	1610.7	1598.9	7.65	7.92	8.22	-19.73	-21.06	-25.24	1.09		
7.0	71.55	1660.6	1647.0	1635.4	7.54	7.90	8.21	-20.59	-22.51	-25.92	1.11		
7.5	71.00	1696.1	1682.8	1671.4	7.51	7.80	8.12	-20.94	-25.00	-24.61	1.08		
8.0	70.18	1731.5	1718.3	1707.0	7.56	7.83	8.13	-20.50	-26.05	-26.43	1.09		
8.5	69.41	1766.3	1753.4	1742.3	7.49	7.85	8.20	-19.99	-25.53	-24.57	1.05		
9.0	68.66	1800.9	1788.1	1777.2	7.64	7.75	8.04	-21.64	-22.18	-26.63	0.99		
9.5	67.96	1835.1	1822.4	1811.8	7.67	7.94	8.19	-22.83	-18.56	-27.16	0.89		
10.0	66.95	1868.8	1856.4	1845.8	7.72	7.90	8.28	-22.41	-19.46	-27.73	0.77		
10.5	66.30	1902.4	1889.9	1879.5	7.73	7.97	8.17	-19.80	-19.18	-28.77	0.64		
11.0	64.68	1935.4	1923.0	1912.7	7.70	7.96	8.22	-19.55	-20.79	-29.48	0.50		
11.5	63.93	1967.7	1955.3	1945.3	7.65	7.87	8.11	-20.78	-19.63	-30.77	0.34		
12.0	61.95	1999.6	1987.3	1977.1	7.52	7.86	8.07	-18.82	-21.95	-32.25	0.22		
12.5	60.11	2030.5	2018.3	2008.5	7.48	7.85	7.90	-18.12	-22.01	-32.74	0.01		
13.0	59.03	2060.7	2048.3	2038.7	7.49	7.80	7.89	-19.70	-20.73	-33.72	0.14		
13.5	57.16	2090.1	2077.9	2068.4	7.38	7.65	7.82	-19.87	-22.32	-35.23	0.27		
14.0	55.39	2118.7	2106.4	2097.0	7.28	7.53	7.69	-20.15	-22.91	-36.92	0.40		
14.5	53.27	2146.1	2134.1	2124.9	7.19	7.44	7.61	-22.30	-21.70	-37.88	0.45		
15.0	52.36	2173.1	2160.8	2151.3	6.98	7.39	7.49	-20.26	-22.12	-39.50	0.42		
15.5	49.68	2199.3	2186.9	2177.6	6.82	7.20	7.31	-20.36	-22.02	-41.82	0.43		
16.0	47.37	2223.8	2211.8	2202.7	6.66	7.03	7.14	-22.98	-22.82	-43.90	0.36		
16.5	47.57	2248.1	2235.5	2226.3	6.58	6.90	6.93	-23.16	-25.53	-50.83	0.22		
17.5	42.66	2293.6	2281.5	2272.5	5.96	6.42	6.57	-23.26	-26.59	-52.02	0.00		
18.5	40.42	2336.0	2323.8	2314.7	5.53	6.01	5.99	-23.68	-26.51	-48.17	0.25		
19.0	38.49	2356.0	2344.0	2335.3	5.24	5.71	5.78	-26.90	-27.54	-48.07	0.33		
19.5	38.07	2375.4	2363.3	2354.6	4.97	5.42	5.46	-25.05	-25.56	-45.65	0.39		
20.5	34.32	2412.3	2400.4	2392.0	4.24	4.72	4.80	-26.76	-27.96	-45.36	0.41		
21.0	34.32	2429.6	2417.6	2409.5	3.91	4.30	4.32	-27.65	-28.15	-44.95	0.35		

Notes

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