

Voltage Controlled Oscillator

ROS-EDR5697

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			
1.0	77.03	837.6	818.2	807.1	8.36	8.11	7.79	-22.4	-35.1	-63.0	0.71	1	-73
2.0	76.37	915.2	894.5	882.9	8.19	7.95	7.58	-20.2	-40.3	-61.0	0.79	10	-99
3.0	77.34	992.2	971.9	959.7	8.29	7.98	7.54	-18.6	-45.5	-56.7	0.82	100	-120
4.0	75.57	1067.6	1047.4	1035.8	8.19	7.98	7.68	-19.0	-50.9	-56.5	0.82	1000	-140
5.0	73.56	1140.4	1121.0	1109.5	7.91	7.72	7.47	-20.9	-52.5	-53.4	0.85		
6.0	70.48	1211.3	1191.5	1179.6	8.06	7.75	7.50	-23.4	-48.5	-50.8	0.96		
7.0	66.18	1278.4	1257.7	1245.7	8.04	7.93	7.71	-26.0	-45.0	-51.4	1.03		
8.0	63.98	1343.0	1321.7	1309.9	8.26	8.09	7.86	-28.9	-45.1	-50.3	1.08		
9.0	62.72	1405.9	1384.4	1372.2	8.43	8.22	7.92	-31.2	-45.8	-49.8	0.95		
10.0	60.40	1467.0	1444.8	1433.2	8.46	8.30	7.95	-33.4	-44.3	-48.8	0.86		
11.0	59.32	1525.2	1504.1	1492.5	8.62	8.29	8.00	-37.4	-44.3	-49.3	0.71		
12.0	57.99	1582.6	1562.1	1550.9	8.61	8.30	7.88	-38.9	-45.2	-49.6	0.53		
13.0	56.29	1639.3	1618.4	1607.8	8.39	8.12	7.75	-41.9	-46.1	-49.0	0.46		
14.0	53.86	1692.8	1672.2	1661.6	8.22	7.79	7.47	-43.6	-47.0	-49.6	0.33		
15.0	51.73	1744.9	1724.0	1713.0	8.08	7.59	7.24	-44.1	-46.8	-52.9	0.33		
16.0	47.90	1792.8	1771.9	1761.0	7.52	7.18	6.89	-46.3	-47.0	-55.5	0.40		
17.0	44.91	1837.3	1816.8	1805.9	6.90	6.60	6.30	-45.1	-46.2	-54.5	0.42		
18.0	41.60	1879.6	1858.4	1847.3	6.20	6.00	5.80	-41.3	-46.7	-62.6	0.42		
19.0	38.63	1918.5	1897.0	1885.8	5.65	5.53	5.31	-40.2	-46.8	-67.3	0.38		
20.0	35.33	1954.1	1932.3	1921.0	5.07	5.02	4.81	-38.2	-47.5	-51.5	0.35		
21.0	32.86	1986.8	1965.2	1953.5	4.59	4.42	4.29	-37.9	-47.0	-49.3	0.29		
22.0	28.84	2016.5	1994.0	1982.3	4.19	4.07	3.90	-36.7	-46.2	-47.6	0.21		