

Voltage Controlled Oscillator

ROS-ED10825/1

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			
1.0	77.35	937.0	916.7	897.0	4.23	4.12	3.43	-11.3	-24.2	-45.3	1.41	1	-73
2.0	70.53	1006.8	987.3	970.0	5.09	4.59	3.33	-10.3	-30.8	-39.2	1.19	10	-97
3.0	67.40	1073.6	1054.7	1039.1	5.60	4.86	3.43	-10.1	-35.4	-34.5	0.96	100	-118
4.0	66.38	1138.8	1121.1	1106.8	5.87	4.97	3.49	-10.3	-34.7	-32.4	0.73	1000	-138
5.0	66.91	1205.3	1188.0	1174.7	5.89	5.00	3.60	-10.6	-29.3	-33.3	0.60		
6.0	68.83	1273.7	1256.8	1243.9	5.89	4.97	3.66	-11.1	-25.8	-30.5	0.39		
7.0	70.40	1343.7	1327.2	1314.7	5.95	5.10	3.90	-11.5	-23.8	-29.6	0.07		
8.0	71.17	1413.9	1398.4	1386.8	5.85	5.19	4.23	-12.4	-23.3	-30.3	0.74		
9.0	73.60	1486.9	1472.0	1460.6	5.15	4.65	3.91	-15.5	-24.1	-37.0	0.45		
10.0	77.57	1567.0	1549.5	1536.2	4.27	4.21	3.73	-24.1	-24.1	-45.5	0.12		
11.0	76.08	1644.2	1625.6	1611.2	4.20	4.25	3.81	-29.8	-22.9	-43.1	0.40		
12.0	72.96	1717.2	1698.6	1684.1	4.27	4.22	3.68	-37.6	-23.1	-43.3	1.36		
13.0	69.54	1786.9	1768.1	1753.1	4.45	4.32	3.77	-38.2	-23.3	-44.6	2.07		
14.0	64.81	1852.2	1832.9	1817.6	4.42	4.37	3.89	-36.4	-23.3	-43.4	2.21		
15.0	60.01	1913.1	1892.9	1876.9	4.25	4.31	3.86	-31.2	-23.7	-44.8	1.90		
16.0	55.03	1969.0	1948.0	1930.9	4.28	4.28	3.76	-29.9	-23.7	-46.9	1.08		
17.0	50.05	2019.8	1998.0	1980.1	4.36	4.36	3.87	-28.4	-23.9	-44.5	0.15		
18.0	44.97	2065.2	2043.0	2024.0	4.54	4.56	4.04	-27.4	-25.1	-48.1	0.74		
19.0	40.30	2106.1	2083.3	2063.5	4.53	4.64	4.22	-26.9	-26.6	-40.0	1.48		
20.0	35.45	2141.7	2118.8	2098.4	4.45	4.65	4.27	-26.7	-27.4	-39.6	2.14		
21.0	31.47	2174.1	2150.2	2129.2	4.26	4.52	4.28	-27.0	-31.2	-38.7	2.76		
22.0	28.42	2202.5	2178.6	2156.7	4.30	4.43	4.14	-26.8	-29.6	-39.4	3.36		
23.0	25.00	2227.4	2203.6	2181.3	4.38	4.50	4.10	-27.2	-30.9	-39.9	3.84		
24.0	21.95	2250.0	2225.6	2202.8	4.38	4.58	4.19	-27.5	-33.7	-50.1	4.28		
25.0	19.38	2270.2	2245.0	2221.7	4.35	4.61	4.25	-27.9	-35.1	-40.0	4.72		