

Voltage Controlled Oscillator

ROS-ED8419/5

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	43.86	987.3	980.3	972.7	10.04	9.98	9.55	-10.3	-30.2	-28.5	0.89	1	-78
2.0	33.37	1020.0	1013.6	1006.8	9.95	9.82	9.29	-10.4	-27.9	-26.4	0.95	10	-105
3.0	29.73	1049.3	1043.4	1037.0	9.50	9.41	9.03	-10.6	-25.3	-26.2	0.97	100	-125
4.0	28.68	1077.9	1072.0	1065.9	9.28	9.07	8.62	-10.8	-24.8	-27.6	0.96	1000	-143
5.0	28.96	1106.9	1101.0	1094.9	8.97	8.79	8.36	-11.3	-24.0	-27.4	0.97		
6.0	29.86	1136.8	1130.9	1124.8	8.64	8.43	8.02	-11.9	-22.8	-27.9	1.02		
7.0	31.62	1168.5	1162.5	1156.3	8.24	8.11	7.75	-13.0	-21.5	-24.9	1.06		
8.0	34.00	1202.8	1196.5	1190.1	7.82	7.71	7.39	-14.3	-20.1	-23.8	1.08		
9.0	36.25	1239.3	1232.7	1226.2	7.37	7.30	7.09	-16.2	-18.9	-22.0	1.10		
10.0	38.27	1277.8	1271.0	1264.2	6.99	7.04	6.86	-19.1	-17.6	-19.9	1.00		
11.0	39.08	1317.1	1310.1	1303.2	6.67	6.71	6.54	-23.2	-16.2	-18.5	0.79		
12.0	37.84	1355.0	1347.9	1341.2	6.46	6.54	6.41	-27.6	-14.7	-17.6	0.48		
13.0	36.57	1390.9	1384.5	1378.3	6.16	6.23	6.13	-22.8	-14.4	-21.0	0.10		
14.0	36.95	1428.5	1421.4	1414.5	6.25	6.31	6.16	-19.8	-18.0	-34.2	0.22		
15.0	32.38	1461.3	1453.8	1446.7	6.60	6.57	6.36	-18.1	-19.2	-26.5	0.32		
16.0	29.05	1490.2	1482.9	1475.9	6.68	6.59	6.38	-16.7	-19.2	-24.0	0.33		
17.0	26.81	1516.5	1509.7	1502.7	6.75	6.65	6.43	-16.1	-20.4	-23.1	0.38		
18.0	24.59	1541.2	1534.3	1527.4	6.66	6.69	6.54	-15.3	-17.6	-22.9	0.42		
19.0	22.64	1563.8	1556.9	1550.0	6.72	6.70	6.52	-14.3	-17.4	-22.8	0.47		
20.0	21.18	1585.0	1578.1	1571.1	6.76	6.77	6.58	-13.8	-17.2	-23.3	0.48		
21.0	19.82	1604.8	1597.9	1590.9	6.73	6.75	6.62	-13.3	-17.0	-24.4	0.46		
22.0	18.50	1623.3	1616.4	1609.4	6.82	6.77	6.60	-12.9	-16.6	-25.4	0.44		
23.0	17.19	1640.5	1633.6	1626.6	6.86	6.88	6.72	-12.7	-16.2	-26.3	0.35		
24.0	15.98	1656.6	1649.6	1642.5	6.82	6.87	6.76	-12.3	-15.9	-27.1	0.26		
25.0	14.83	1671.5	1664.4	1657.2	6.83	6.85	6.75	-12.1	-15.6	-28.1	0.11		