

Voltage Controlled Oscillator

ROS-ED12651/1

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	38.22	476.8	468.9	459.3	8.36	9.69	9.88	-15.47	-26.44	-48.27	0.86	1	-73
1.0	38.00	515.3	506.0	495.6	8.81	9.96	10.05	-13.91	-29.54	-47.53	0.70	10	-98
2.0	39.50	554.8	545.0	534.6	9.07	10.24	9.93	-12.50	-34.45	-46.97	0.37	100	-118
3.0	43.64	597.7	587.0	577.6	9.54	10.46	9.90	-12.05	-42.50	-48.30	0.16	1000	-138
4.0	50.76	645.6	633.9	626.1	9.59	10.54	10.08	-12.13	-51.02	-52.57	0.58		
5.0	55.38	698.9	686.1	681.1	9.80	10.51	9.89	-12.76	-50.16	-55.47	0.72		
6.0	59.67	754.7	742.2	739.8	9.83	10.25	9.65	-13.96	-47.85	-62.04	0.89		
7.0	62.23	810.8	802.1	800.2	9.84	9.74	9.35	-16.33	-47.53	-54.55	1.18		
8.0	60.15	866.5	862.8	859.4	9.66	9.27	9.11	-19.08	-52.45	-52.98	1.15		
9.0	57.14	926.4	920.8	916.0	8.77	9.01	8.94	-20.95	-50.60	-49.43	0.97		
10.0	53.85	983.5	975.3	970.0	8.26	8.80	8.64	-22.43	-51.87	-44.99	0.76		
11.0	51.14	1036.8	1027.0	1022.5	7.99	8.54	8.11	-24.15	-60.19	-45.35	0.71		
12.0	48.52	1087.8	1076.9	1075.1	7.84	8.32	7.28	-26.89	-50.05	-44.31	0.68		
13.0	51.52	1136.6	1126.9	1127.4	7.82	7.79	6.40	-30.22	-45.32	-46.03	2.40		
14.0	52.52	1183.1	1180.0	1179.0	7.56	6.63	5.73	-34.83	-45.93	-53.12	2.78		
15.0	50.99	1236.8	1232.2	1229.3	5.95	5.72	5.27	-41.32	-46.73	-52.00	2.82		
16.0	48.67	1288.3	1281.7	1277.4	4.77	5.13	4.94	-46.74	-45.23	-56.93	2.94		
17.0	44.23	1335.3	1327.6	1322.5	4.40	4.86	4.70	-46.92	-44.30	-55.89	3.08		
18.0	40.10	1378.3	1369.9	1364.1	4.13	4.75	4.74	-44.78	-44.58	-54.33	3.13		
19.0	36.85	1417.5	1408.2	1401.7	3.94	4.73	4.73	-44.28	-43.51	-57.15	3.15		
20.0	33.29	1452.9	1443.0	1436.0	3.96	4.67	4.71	-44.40	-42.92	-55.94	2.98		
21.0	30.02	1485.2	1474.6	1466.9	3.69	4.62	4.69	-44.69	-43.38	-59.03	2.78		
22.0	26.73	1514.1	1502.9	1494.8	3.84	4.53	4.58	-44.54	-43.54	-59.26	2.62		
23.0	24.01	1540.3	1528.3	1519.5	3.64	4.48	4.45	-45.64	-44.43	-56.98	2.59		
24.0	20.95	1563.5	1550.9	1541.6	3.46	4.36	4.48	-46.46	-44.94	-56.84	2.66		
25.0	18.01	1583.7	1570.4	1560.8	3.50	4.24	4.23	-47.38	-48.24	-56.61	2.73		
26.0	15.20	1601.1	1587.0	1577.0	3.35	4.10	3.98	-49.12	-46.46	-55.89	2.73		
27.0	12.45	1615.6	1600.9	1590.6	3.07	4.02	3.83	-50.56	-46.51	-55.92	2.57		