

Voltage Controlled Oscillator

ROS-ED10354/1

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			
0.5	41.19	1105.3	1095.9	1088.8	11.70	11.58	11.08	-12.1	-30.4	-33.1	0.62	1	-80
1.0	36.05	1123.3	1113.9	1107.5	11.68	11.76	11.34	-12.4	-30.3	-33.6	0.64	10	-105
1.5	36.75	1141.8	1132.3	1125.2	11.58	11.54	11.20	-12.5	-29.1	-33.7	0.67	100	-126
2.0	37.16	1160.4	1150.9	1144.0	11.26	11.25	10.85	-12.5	-28.4	-30.3	0.65	1000	-142
2.5	38.68	1180.2	1170.2	1163.2	11.09	11.01	10.50	-12.8	-27.4	-28.8	0.64		
3.0	40.98	1200.5	1190.7	1183.5	10.99	10.77	10.18	-12.8	-26.3	-27.6	0.59		
3.5	42.04	1222.1	1211.7	1204.5	11.09	10.67	10.09	-13.2	-25.0	-27.4	0.54		
4.0	44.48	1244.2	1234.0	1226.5	11.24	10.83	10.10	-13.4	-24.1	-28.1	0.44		
4.5	44.81	1266.7	1256.4	1248.9	11.10	10.73	10.18	-13.8	-23.5	-28.7	0.33		
5.0	45.20	1289.0	1279.0	1271.5	10.86	10.60	9.99	-14.4	-22.4	-32.2	0.22		
5.5	43.97	1311.0	1301.0	1293.7	10.59	10.40	9.86	-15.3	-22.0	-33.5	0.11		
6.0	43.60	1332.6	1322.8	1315.6	10.06	10.00	9.56	-16.1	-21.4	-32.7	0.00		
6.5	42.55	1353.9	1344.0	1337.0	9.77	9.56	9.11	-16.9	-20.8	-31.6	0.08		
7.0	41.84	1374.7	1365.0	1358.0	9.71	9.45	9.02	-18.0	-20.4	-30.8	0.15		
7.5	40.53	1394.9	1385.2	1378.4	9.68	9.47	8.93	-18.9	-20.2	-30.2	0.20		
8.0	39.47	1414.5	1405.0	1398.2	9.72	9.51	9.00	-20.3	-19.9	-29.6	0.25		
8.5	38.58	1433.8	1424.3	1417.5	9.58	9.53	9.00	-21.4	-19.4	-29.5	0.29		
9.0	37.77	1452.6	1443.1	1436.5	9.26	9.30	8.99	-22.8	-19.2	-29.2	0.34		
9.5	37.02	1471.0	1461.6	1455.0	9.01	9.08	8.74	-24.4	-19.1	-28.9	0.39		
10.0	35.97	1488.9	1479.6	1473.1	8.77	8.86	8.49	-26.0	-19.4	-28.1	0.43		
10.5	35.17	1506.4	1497.2	1490.7	8.57	8.70	8.36	-30.3	-19.5	-27.4	0.48		
11.0	34.24	1523.4	1514.3	1507.9	8.53	8.63	8.19	-32.1	-21.5	-26.6	0.54		
11.5	33.60	1540.2	1531.1	1524.7	8.43	8.53	8.21	-35.5	-17.6	-26.1	0.63		
12.0	32.93	1556.6	1547.6	1541.2	8.47	8.57	8.17	-38.7	-16.9	-25.9	0.67		
12.5	32.02	1572.6	1563.6	1557.2	8.51	8.65	8.25	-39.6	-16.4	-25.2	0.74		
13.0	31.36	1588.2	1579.3	1572.8	8.49	8.64	8.32	-37.0	-16.1	-25.1	0.81		
13.5	30.38	1603.4	1594.5	1588.1	8.44	8.61	8.29	-33.6	-15.9	-25.5	0.88		
14.0	29.62	1618.2	1609.3	1602.9	8.32	8.48	8.25	-31.1	-16.0	-26.7	0.94		
14.5	28.96	1632.6	1623.8	1617.5	8.04	8.35	8.13	-28.3	-16.5	-28.1	0.99		
15.0	28.63	1646.7	1638.1	1631.7	7.78	8.08	7.89	-27.2	-16.7	-29.4	1.07		
15.5	27.76	1660.8	1652.0	1645.6	7.56	7.86	7.61	-25.8	-16.8	-31.3	1.14		
16.0	27.08	1674.3	1665.5	1659.3	7.37	7.64	7.39	-25.0	-16.8	-32.4	1.17		
16.5	26.46	1687.6	1678.7	1672.6	7.34	7.48	7.17	-23.9	-18.0	-35.3	1.22		
17.0	25.79	1700.1	1691.6	1685.6	7.24	7.39	7.12	-22.6	-19.1	-39.1	1.31		
17.5	25.28	1712.6	1704.3	1698.1	7.21	7.38	7.09	-21.8	-21.5	-45.3	1.39		
18.0	24.45	1724.9	1716.5	1710.1	7.20	7.40	7.10	-21.5	-22.5	-45.5	1.46		
18.5	23.56	1736.9	1728.3	1721.8	7.28	7.52	7.15	-21.3	-23.3	-42.6	1.58		
19.0	22.56	1748.4	1739.6	1733.0	7.42	7.62	7.27	-21.3	-23.5	-39.6	1.70		
19.5	21.62	1759.4	1750.4	1743.7	7.38	7.69	7.34	-21.2	-23.0	-37.5	1.82		
20.0	20.68	1769.7	1760.7	1753.9	7.26	7.63	7.30	-21.1	-22.6	-37.0	1.94		