

Voltage Controlled Oscillator

ROS-ED9070/1

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			
0.2	13.03	1514.3	1506.8	1500.8	9.12	9.25	9.00	-25.9	-34.6	-44.7	0.74	1	-86
0.3	12.09	1516.0	1508.6	1502.7	9.07	9.24	8.98	-25.7	-34.9	-44.6	0.76	10	-109
0.5	11.08	1517.6	1510.2	1504.4	9.06	9.19	8.94	-25.6	-35.9	-45.1	0.77	100	-129
0.6	10.46	1519.1	1511.8	1506.0	9.02	9.15	8.89	-25.7	-36.3	-44.8	0.77	1000	-149
0.8	9.94	1520.5	1513.3	1507.5	8.99	9.13	8.88	-25.4	-37.4	-44.9	0.79		
0.9	9.36	1521.9	1514.7	1508.9	8.95	9.09	8.84	-25.4	-38.1	-44.0	0.80		
1.1	9.12	1523.2	1516.1	1510.3	8.94	9.05	8.80	-25.4	-38.5	-43.3	0.80		
1.2	8.85	1524.5	1517.4	1511.6	8.91	9.01	8.76	-25.3	-38.8	-45.2	0.81		
1.4	8.49	1525.8	1518.7	1512.9	8.87	9.01	8.75	-25.1	-38.4	-45.4	0.81		
1.5	8.36	1527.0	1519.9	1514.2	8.83	8.98	8.71	-25.1	-37.5	-45.2	0.81		
1.7	8.09	1528.2	1521.1	1515.4	8.80	8.94	8.67	-25.1	-36.9	-43.4	0.81		
1.8	7.98	1529.4	1522.3	1516.6	8.77	8.91	8.63	-25.1	-36.1	-45.2	0.83		
2.0	7.85	1530.6	1523.5	1517.8	8.74	8.90	8.63	-25.0	-35.8	-44.8	0.83		
2.1	7.85	1531.7	1524.7	1518.9	8.71	8.87	8.59	-25.0	-35.7	-44.7	0.83		
2.3	7.54	1532.9	1525.8	1520.1	8.67	8.84	8.56	-24.9	-35.6	-45.1	0.84		
2.4	7.52	1534.0	1527.0	1521.2	8.64	8.81	8.53	-25.0	-35.3	-44.8	0.83		
2.6	7.60	1535.2	1528.1	1522.3	8.61	8.78	8.50	-24.8	-35.5	-44.2	0.84		
2.7	7.29	1536.3	1529.2	1523.4	8.58	8.75	8.49	-24.9	-35.0	-44.3	0.84		
2.9	7.39	1537.4	1530.3	1524.5	8.55	8.72	8.45	-24.7	-35.2	-44.6	0.84		
3.0	7.41	1538.5	1531.4	1525.6	8.51	8.69	8.43	-24.7	-35.3	-43.6	0.85		
3.2	7.21	1539.6	1532.5	1526.7	8.48	8.66	8.39	-24.6	-35.4	-44.0	0.85		
3.3	7.39	1540.7	1533.6	1527.8	8.45	8.62	8.37	-24.5	-35.2	-44.6	0.85		
3.5	7.17	1541.8	1534.7	1528.8	8.42	8.59	8.34	-24.5	-35.2	-44.1	0.85		
3.6	7.15	1542.8	1535.8	1529.9	8.38	8.56	8.31	-24.3	-35.5	-43.7	0.86		
3.8	7.27	1543.9	1536.8	1531.0	8.35	8.53	8.28	-24.2	-35.3	-44.0	0.86		
3.9	7.23	1545.0	1537.9	1532.1	8.32	8.49	8.24	-24.2	-35.1	-43.5	0.86		
4.1	7.15	1546.1	1539.0	1533.1	8.28	8.46	8.21	-24.1	-35.5	-43.9	0.86		
4.2	7.26	1547.2	1540.1	1534.2	8.25	8.43	8.18	-23.9	-35.3	-43.4	0.86		
4.4	7.22	1548.3	1541.2	1535.3	8.21	8.40	8.15	-23.8	-35.6	-43.8	0.86		
4.5	7.30	1549.4	1542.3	1536.3	8.18	8.37	8.12	-23.8	-35.7	-43.3	0.87		
4.7	7.26	1550.5	1543.4	1537.4	8.15	8.33	8.09	-23.8	-35.7	-43.4	0.88		
4.8	7.35	1551.6	1544.5	1538.5	8.12	8.30	8.04	-23.7	-36.1	-43.8	0.88		
5.0	7.35	1552.7	1545.6	1539.6	8.09	8.27	8.01	-23.5	-35.6	-42.6	0.88		
5.1	7.39	1553.8	1546.7	1540.7	8.05	8.24	7.98	-23.5	-36.2	-43.7	0.88		
5.3	7.35	1555.0	1547.8	1541.8	8.02	8.20	7.95	-23.4	-36.0	-42.8	0.89		
5.4	7.48	1556.1	1548.9	1542.9	7.98	8.17	7.91	-23.3	-36.0	-43.6	0.89		
5.6	7.52	1557.2	1550.0	1544.0	7.95	8.14	7.88	-23.2	-36.2	-43.6	0.89		
5.7	7.61	1558.4	1551.2	1545.1	7.93	8.10	7.85	-23.1	-36.6	-42.9	0.90		
5.9	7.67	1559.6	1552.3	1546.3	7.89	8.06	7.82	-23.1	-36.3	-42.2	0.90		
6.0	7.59	1560.7	1553.5	1547.4	7.85	8.04	7.79	-23.1	-36.6	-42.8	0.90		