

Voltage Controlled Oscillator

ROS-EDR3979/5

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			
0.5	10.36	1401.8	1387.5	1382.5	4.84	4.54	4.48	-17.1	-31.7	-38.9	0.45	1	-74
1.0	9.08	1406.4	1392.0	1387.1	4.90	4.60	4.57	-17.4	-31.6	-39.5	0.45	10	-102
1.5	8.63	1410.9	1396.3	1391.5	4.96	4.68	4.67	-17.2	-31.2	-40.0	0.46	100	-124
2.0	8.61	1415.4	1400.6	1396.0	5.06	4.78	4.76	-16.8	-30.6	-39.9	0.46	1000	-146
2.5	8.91	1420.1	1405.1	1400.5	5.17	4.86	4.83	-16.5	-30.0	-39.7	0.47		
3.0	9.55	1425.0	1409.9	1405.2	5.28	4.96	4.89	-16.4	-30.2	-40.0	0.48		
3.5	10.35	1430.4	1415.0	1410.3	5.42	5.05	4.97	-16.9	-31.1	-40.0	0.47		
4.0	11.14	1436.3	1420.6	1416.0	5.64	5.13	5.10	-16.9	-31.3	-39.5	0.47		
4.5	12.19	1442.6	1426.7	1422.1	5.77	5.23	5.20	-16.4	-31.2	-39.8	0.46		
5.0	12.83	1449.1	1433.1	1428.5	5.96	5.37	5.32	-16.6	-31.9	-39.7	0.43		
5.5	12.53	1455.5	1439.4	1434.9	6.11	5.50	5.49	-17.0	-31.9	-40.3	0.38		
6.0	11.68	1461.6	1445.2	1440.9	6.29	5.69	5.68	-16.7	-32.2	-40.7	0.37		
6.5	10.38	1467.0	1450.4	1446.1	6.42	5.89	5.81	-16.4	-32.3	-40.2	0.37		
7.0	9.06	1471.7	1454.9	1450.5	6.49	6.01	5.93	-16.2	-32.4	-40.3	0.39		
7.5	7.71	1475.8	1458.8	1454.3	6.55	6.10	5.99	-16.3	-32.8	-40.7	0.41		
8.0	6.49	1479.4	1462.0	1457.5	6.63	6.15	6.06	-16.4	-33.2	-40.7	0.42		
8.5	5.58	1482.4	1464.8	1460.3	6.70	6.18	6.12	-16.4	-33.4	-40.5	0.44		
9.0	4.91	1485.1	1467.3	1462.8	6.77	6.21	6.18	-16.3	-33.5	-40.2	0.46		
9.5	4.37	1487.4	1469.5	1465.0	6.81	6.24	6.23	-16.2	-33.6	-40.1	0.48		
10.0	3.91	1489.5	1471.4	1466.9	6.83	6.27	6.26	-16.0	-33.7	-39.8	0.49		
10.5	3.53	1491.4	1473.2	1468.6	6.85	6.30	6.29	-15.9	-33.8	-39.6	0.50		
11.0	3.20	1493.1	1474.8	1470.2	6.86	6.34	6.32	-15.8	-33.9	-39.6	0.50		
11.5	2.94	1494.6	1476.3	1471.6	6.88	6.35	6.34	-15.9	-34.0	-39.5	0.51		
12.0	2.68	1496.0	1477.6	1472.9	6.90	6.38	6.36	-15.9	-34.0	-39.5	0.50		