

Voltage Controlled Oscillator

ROS-EDR4982

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			
0.3	24.83	1399.8	1396.4	1393.6	1.50	0.25	-1.88	-29.7	-17.6	-31.3	0.10	1	-87
0.5	23.10	1405.7	1402.2	1399.8	1.74	0.38	-1.85	-29.0	-18.0	-31.9	0.11	10	-111
0.8	22.34	1411.4	1407.8	1405.8	1.90	0.46	-1.85	-28.9	-18.4	-31.7	0.11	100	-129
1.0	21.97	1417.0	1413.3	1411.6	2.04	0.51	-1.83	-28.4	-18.7	-31.8	0.11	1000	-147
1.3	22.16	1422.6	1418.8	1417.3	2.18	0.53	-1.83	-27.9	-19.0	-32.4	0.11		
1.5	23.01	1428.2	1424.6	1423.2	2.32	0.55	-1.83	-27.6	-19.5	-32.5	0.11		
1.8	23.41	1434.0	1430.4	1429.2	2.39	0.67	-1.83	-27.7	-19.9	-32.9	0.10		
2.0	23.99	1440.0	1436.4	1435.4	2.42	0.72	-1.87	-27.3	-20.1	-33.0	0.09		
2.3	24.74	1446.0	1442.6	1441.8	2.57	0.71	-1.96	-27.2	-20.3	-33.9	0.08		
2.5	25.61	1452.1	1449.0	1448.3	2.63	0.66	-2.01	-27.0	-20.5	-34.2	0.07		
2.8	26.60	1458.3	1455.6	1454.9	2.63	0.55	-2.07	-27.1	-20.5	-34.6	0.05		
3.0	27.59	1464.7	1462.5	1461.7	2.61	0.43	-2.13	-27.1	-20.5	-35.2	0.03		
3.3	28.36	1471.4	1469.6	1468.7	2.57	0.32	-2.16	-26.9	-20.7	-35.9	0.00		
3.5	29.48	1478.4	1477.0	1475.8	2.51	0.18	-2.17	-26.8	-20.9	-37.4	-0.03		
3.8	29.83	1485.5	1484.5	1483.2	2.51	0.11	-2.16	-26.7	-21.0	-38.7	-0.05		
4.0	30.01	1492.8	1492.0	1490.6	2.40	0.01	-2.15	-27.1	-20.9	-41.3	-0.08		
4.3	30.26	1500.3	1499.5	1498.0	2.23	-0.12	-2.19	-27.2	-20.9	-43.8	-0.10		
4.5	30.35	1507.9	1507.1	1505.4	2.05	-0.21	-2.20	-27.4	-21.2	-45.1	-0.12		
4.8	30.43	1515.7	1514.7	1512.8	1.83	-0.29	-2.23	-27.6	-21.1	-47.2	-0.14		
5.0	30.18	1523.4	1522.3	1520.3	1.74	-0.36	-2.24	-27.4	-21.3	-49.9	-0.16		
5.3	30.41	1531.0	1529.9	1527.7	1.62	-0.48	-2.23	-27.5	-21.2	-51.1	-0.18		
5.5	30.20	1538.6	1537.4	1535.1	1.50	-0.55	-2.22	-27.5	-21.1	-52.8	-0.20		
5.8	29.74	1546.2	1544.9	1542.4	1.33	-0.58	-2.22	-27.9	-20.7	-54.4	-0.21		
6.0	29.27	1553.7	1552.2	1549.6	1.16	-0.61	-2.23	-28.4	-20.8	-54.2	-0.22		
6.3	28.97	1561.2	1559.4	1556.7	1.07	-0.62	-2.24	-29.0	-20.8	-54.5	-0.24		
6.5	28.68	1568.4	1566.6	1563.8	0.99	-0.61	-2.23	-29.3	-21.0	-52.7	-0.25		
6.8	28.22	1575.6	1573.6	1570.7	0.90	-0.61	-2.19	-29.3	-21.4	-50.1	-0.27		
7.0	28.10	1582.8	1580.7	1577.5	0.83	-0.63	-2.17	-29.4	-21.6	-47.3	-0.28		