

Voltage Controlled Oscillator

ROS-EDR5315

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	45.55	1444.2	1436.1	1434.3	-0.83	-0.99	-1.15	-18.5	-33.2	-56.7	-0.15	1	-80
0.5	39.87	1453.9	1446.1	1444.5	-0.79	-1.02	-1.10	-18.5	-33.9	-57.2	-0.09	10	-105
0.8	36.29	1462.8	1455.2	1453.8	-0.84	-1.05	-1.10	-18.4	-33.9	-56.1	-0.06	100	-125
1.0	33.64	1471.1	1463.6	1462.3	-0.92	-1.13	-1.19	-18.4	-34.1	-56.8	-0.03	1000	-144
1.3	31.60	1478.9	1471.5	1470.3	-0.90	-1.12	-1.29	-19.4	-34.3	-55.6	-0.01		
1.5	30.17	1486.4	1479.0	1477.9	-0.95	-1.11	-1.25	-19.6	-35.2	-56.3	0.02		
1.8	29.04	1493.6	1486.3	1485.1	-1.01	-1.12	-1.27	-18.1	-35.0	-56.7	0.04		
2.0	27.88	1500.6	1493.2	1492.1	-1.04	-1.12	-1.29	-18.0	-33.6	-57.3	0.05		
2.3	27.11	1507.4	1500.0	1498.9	-1.06	-1.10	-1.29	-19.2	-33.7	-59.8	0.07		
2.5	26.56	1514.1	1506.7	1505.5	-1.11	-1.07	-1.28	-19.1	-34.9	-60.2	0.08		
2.8	26.01	1520.6	1513.2	1512.0	-1.06	-1.09	-1.31	-18.7	-34.9	-61.9	0.09		
3.0	25.58	1527.0	1519.6	1518.4	-1.01	-1.10	-1.32	-18.7	-33.5	-64.0	0.10		
3.3	25.05	1533.3	1525.8	1524.6	-1.06	-1.01	-1.28	-19.0	-33.3	-64.6	0.11		
3.5	24.76	1539.5	1532.0	1530.8	-1.12	-0.99	-1.21	-19.0	-34.3	-64.1	0.12		
3.8	24.54	1545.6	1538.1	1536.9	-1.20	-1.01	-1.21	-18.9	-34.6	-63.2	0.14		
4.0	24.32	1551.7	1544.2	1543.0	-1.25	-1.04	-1.24	-18.6	-33.8	-61.1	0.14		
4.3	24.05	1557.8	1550.2	1548.9	-1.34	-1.07	-1.27	-18.4	-33.8	-61.3	0.15		
4.5	23.79	1563.8	1556.2	1554.9	-1.45	-1.11	-1.29	-18.6	-34.1	-59.4	0.16		
4.8	23.63	1569.8	1562.1	1560.8	-1.43	-1.18	-1.31	-19.0	-33.4	-58.3	0.16		
5.0	23.52	1575.7	1568.0	1566.7	-1.36	-1.28	-1.29	-19.2	-32.1	-57.8	0.16		
5.3	23.42	1581.7	1573.8	1572.5	-1.34	-1.36	-1.23	-19.0	-31.3	-57.0	0.17		
5.5	23.29	1587.6	1579.7	1578.4	-1.32	-1.39	-1.17	-18.6	-31.6	-55.3	0.17		
5.8	23.49	1593.6	1585.5	1584.3	-1.33	-1.42	-1.12	-18.2	-31.7	-55.6	0.18		
6.0	23.51	1599.5	1591.4	1590.1	-1.39	-1.46	-1.07	-18.4	-31.3	-54.3	0.17		
6.3	23.51	1605.5	1597.3	1596.0	-1.46	-1.48	-1.05	-18.9	-31.3	-53.2	0.19		
6.5	23.66	1611.3	1603.2	1601.9	-1.45	-1.49	-1.04	-19.1	-31.4	-53.0	0.19		
6.8	23.69	1617.2	1609.1	1607.9	-1.39	-1.52	-1.03	-18.8	-31.0	-52.6	0.20		
7.0	23.73	1623.1	1615.1	1613.8	-1.35	-1.54	-0.98	-18.2	-31.0	-51.1	0.21		