

Voltage Controlled Oscillator

ROS-EDR5630

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	21.94	1491.6	1486.8	1481.0	5.88	5.40	4.44	-16.5	-46.9	-41.6	-0.04	1	-86
1.0	18.32	1500.6	1496.0	1490.3	5.93	5.47	4.55	-17.1	-46.1	-40.9	-0.02	10	-108
1.5	16.49	1508.8	1504.2	1498.7	5.92	5.46	4.58	-17.8	-44.6	-42.2	-0.03	100	-127
2.0	15.54	1516.5	1512.0	1506.4	5.96	5.46	4.56	-18.0	-41.8	-42.7	-0.02	1000	-146
2.5	14.59	1523.8	1519.3	1513.7	5.96	5.48	4.52	-17.8	-40.4	-42.1	-0.01		
3.0	14.03	1530.8	1526.3	1520.8	5.90	5.44	4.53	-17.5	-40.6	-40.9	0.00		
3.5	13.64	1537.6	1533.1	1527.6	5.84	5.37	4.50	-17.2	-40.5	-40.2	-0.01		
4.0	13.47	1544.4	1539.9	1534.3	5.78	5.32	4.43	-16.7	-39.2	-39.9	0.00		
4.5	13.42	1551.2	1546.6	1540.9	5.74	5.26	4.38	-16.5	-36.8	-39.0	0.00		
5.0	13.37	1557.9	1553.3	1547.6	5.80	5.24	4.32	-16.5	-36.1	-38.1	0.00		
5.5	13.49	1564.7	1560.0	1554.2	5.87	5.30	4.29	-16.5	-36.1	-37.4	0.00		
6.0	13.48	1571.4	1566.8	1561.0	5.88	5.33	4.31	-16.8	-36.6	-37.0	0.00		
6.5	13.60	1578.3	1573.6	1567.7	5.83	5.31	4.34	-17.2	-36.4	-37.0	0.00		
7.0	13.82	1585.2	1580.5	1574.6	5.74	5.27	4.32	-17.8	-36.6	-36.8	0.01		
7.5	14.11	1592.4	1587.5	1581.5	5.70	5.23	4.31	-18.2	-35.7	-35.8	0.01		
8.0	14.67	1599.7	1594.9	1588.7	5.78	5.31	4.34	-18.0	-35.2	-35.1	0.01		
8.5	15.55	1607.5	1602.6	1596.4	5.50	5.18	4.30	-18.0	-35.3	-34.3	0.01		
9.0	14.60	1614.7	1609.9	1603.9	5.24	4.87	3.94	-18.6	-35.7	-35.0	0.03		
9.5	15.17	1622.4	1617.5	1611.4	5.16	4.76	3.73	-18.9	-34.9	-34.1	0.03		
10.0	15.71	1630.4	1625.4	1619.1	5.06	4.67	3.55	-19.3	-34.9	-33.3	0.03		
10.5	16.27	1638.7	1633.5	1627.2	4.99	4.55	3.34	-19.8	-35.8	-33.4	0.03		
11.0	16.79	1647.1	1641.9	1635.4	4.95	4.48	3.08	-20.1	-36.1	-34.0	0.04		
11.5	17.11	1655.8	1650.5	1643.9	4.85	4.41	2.85	-20.7	-37.0	-34.3	0.04		
12.0	17.29	1664.5	1659.1	1652.5	4.70	4.24	2.53	-21.3	-36.9	-35.5	0.03		