

Voltage Controlled Oscillator

ROS-EDR5516/1

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			
0.3	42.46	1487.7	1479.5	1472.5	2.63	1.73	0.51	-17.5	-32.5	-61.4	-0.22	1	-84
0.5	37.22	1496.7	1488.8	1482.1	2.52	1.66	0.47	-17.5	-32.0	-59.5	-0.18	10	-106
0.8	33.84	1504.9	1497.2	1490.7	2.42	1.58	0.44	-17.6	-32.2	-60.7	-0.16	100	-126
1.0	31.52	1512.6	1505.1	1498.7	2.36	1.54	0.30	-17.6	-31.6	-60.9	-0.14	1000	-146
1.3	29.65	1520.0	1512.5	1506.2	2.25	1.46	0.28	-17.5	-31.3	-60.1	-0.12		
1.5	28.36	1527.1	1519.6	1513.3	2.18	1.38	0.21	-17.3	-30.5	-59.8	-0.11		
1.8	27.42	1533.9	1526.5	1520.1	2.16	1.30	0.16	-17.1	-30.8	-60.3	-0.10		
2.0	26.58	1540.5	1533.1	1526.7	2.09	1.27	0.04	-17.0	-30.7	-57.5	-0.09		
2.3	25.69	1547.0	1539.5	1533.2	2.02	1.27	0.10	-16.8	-30.4	-56.7	-0.09		
2.5	25.24	1553.2	1545.8	1539.5	2.01	1.21	0.06	-16.8	-30.1	-56.4	-0.08		
2.8	24.60	1559.4	1552.0	1545.6	1.94	1.14	-0.03	-16.7	-29.7	-55.0	-0.07		
3.0	24.16	1565.5	1558.0	1551.6	1.87	1.07	-0.10	-16.6	-29.8	-54.9	-0.07		
3.3	23.87	1571.5	1564.0	1557.6	1.74	0.98	-0.25	-16.6	-29.4	-53.5	-0.06		
3.5	23.58	1577.5	1569.9	1563.4	1.75	0.92	-0.26	-16.6	-28.9	-52.3	-0.06		
3.8	23.47	1583.4	1575.8	1569.2	1.70	0.89	-0.31	-16.6	-29.0	-51.6	-0.05		
4.0	23.29	1589.3	1581.6	1574.9	1.76	0.93	-0.32	-16.6	-28.9	-50.7	-0.05		
4.3	22.99	1595.1	1587.3	1580.7	1.72	0.89	-0.42	-16.7	-28.6	-49.3	-0.05		
4.5	22.87	1600.9	1593.0	1586.4	1.68	0.81	-0.45	-16.7	-28.5	-48.8	-0.04		
4.8	22.78	1606.6	1598.7	1592.1	1.59	0.73	-0.49	-16.8	-28.0	-47.2	-0.04		
5.0	22.78	1612.4	1604.4	1597.7	1.57	0.65	-0.57	-17.1	-28.0	-47.4	-0.03		
5.3	22.84	1618.2	1610.1	1603.3	1.54	0.62	-0.63	-17.5	-28.1	-45.3	-0.03		
5.5	22.80	1623.9	1615.8	1609.0	1.50	0.52	-0.73	-17.7	-27.8	-45.1	-0.02		
5.8	22.94	1629.7	1621.6	1614.6	1.46	0.45	-0.81	-17.8	-27.7	-45.6	-0.01		
6.0	23.15	1635.5	1627.4	1620.2	1.47	0.39	-0.98	-18.1	-27.3	-44.3	-0.01		
6.3	23.23	1641.2	1633.2	1625.9	1.33	0.31	-1.03	-17.9	-27.3	-44.0	0.00		
6.5	23.28	1647.0	1639.0	1631.7	1.29	0.32	-1.01	-17.8	-27.8	-44.0	0.00		
6.8	23.32	1652.8	1644.8	1637.5	1.15	0.31	-1.06	-17.9	-27.7	-43.7	0.01		
7.0	23.45	1658.8	1650.7	1643.2	1.04	0.25	-1.13	-17.9	-27.2	-43.2	0.02		