

Voltage Controlled Oscillator

ROS-EDR5416

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	44.50	1497.8	1493.8	1489.0	4.87	4.45	3.11	-20.9	-44.0	-61.0	-0.31	1	-80
0.5	39.12	1507.3	1503.6	1499.0	4.74	4.37	3.07	-20.9	-44.8	-61.0	-0.26	10	-106
0.8	35.64	1516.1	1512.5	1508.1	4.71	4.35	3.06	-20.9	-45.0	-63.3	-0.24	100	-127
1.0	33.08	1524.2	1520.8	1516.5	4.71	4.39	3.11	-21.3	-45.1	-62.4	-0.21	1000	-150
1.3	30.96	1531.9	1528.5	1524.3	4.65	4.38	3.17	-21.9	-45.8	-63.2	-0.20		
1.5	29.73	1539.3	1535.9	1531.7	4.60	4.35	3.19	-22.1	-45.7	-66.4	-0.18		
1.8	28.60	1546.4	1543.1	1538.9	4.55	4.33	3.20	-22.1	-45.6	-67.2	-0.17		
2.0	27.67	1553.3	1550.0	1545.8	4.51	4.31	3.20	-22.1	-45.7	-65.0	-0.17		
2.3	26.96	1560.1	1556.7	1552.5	4.48	4.29	3.19	-22.4	-45.6	-65.6	-0.16		
2.5	26.39	1566.7	1563.3	1559.1	4.53	4.30	3.17	-22.7	-45.1	-67.2	-0.15		
2.8	25.68	1573.1	1569.8	1565.5	4.54	4.37	3.21	-22.8	-44.8	-67.5	-0.15		
3.0	24.99	1579.4	1576.0	1571.8	4.50	4.35	3.24	-22.9	-44.8	-66.8	-0.14		
3.3	24.68	1585.6	1582.2	1577.9	4.47	4.32	3.23	-23.0	-44.6	-67.7	-0.14		
3.5	24.42	1591.8	1588.3	1584.0	4.45	4.31	3.20	-23.4	-44.4	-67.2	-0.14		
3.8	24.09	1597.9	1594.3	1590.0	4.45	4.31	3.18	-23.8	-44.1	-67.2	-0.13		
4.0	23.91	1603.9	1600.3	1596.0	4.49	4.32	3.16	-24.0	-43.9	-63.4	-0.13		
4.3	23.84	1609.9	1606.2	1601.9	4.58	4.36	3.15	-24.1	-43.6	-65.5	-0.13		
4.5	23.68	1615.8	1612.2	1607.9	4.65	4.42	3.17	-24.4	-43.3	-67.1	-0.12		
4.8	23.42	1621.6	1618.0	1613.8	4.65	4.42	3.22	-24.7	-42.9	-68.2	-0.12		
5.0	23.46	1627.4	1623.9	1619.6	4.63	4.38	3.21	-25.2	-42.1	-64.9	-0.11		
5.3	23.45	1633.2	1629.7	1625.5	4.58	4.33	3.17	-25.7	-41.7	-65.9	-0.11		
5.5	23.51	1639.1	1635.6	1631.3	4.52	4.28	3.13	-26.0	-41.3	-67.1	-0.10		
5.8	23.61	1644.9	1641.5	1637.2	4.45	4.23	3.09	-26.2	-40.7	-66.4	-0.10		
6.0	23.62	1650.8	1647.4	1643.0	4.38	4.18	3.05	-26.4	-39.9	-66.0	-0.10		
6.3	23.71	1656.8	1653.4	1648.9	4.33	4.13	3.00	-26.6	-38.9	-65.9	-0.09		
6.5	23.90	1662.8	1659.3	1654.8	4.33	4.14	2.96	-26.8	-38.2	-64.7	-0.09		
6.8	23.74	1668.8	1665.3	1660.7	4.29	4.13	2.96	-26.9	-37.6	-64.2	-0.09		
7.0	23.95	1674.9	1671.3	1666.6	4.23	4.08	2.94	-26.7	-36.4	-64.0	-0.08		