

Voltage Controlled Oscillator

ROS-EDR5489

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	41.41	1513.7	1509.5	1504.4	1.07	-0.32	-2.92	-17.8	-30.5	-60.7	-0.07	1	-84
0.5	38.18	1523.2	1519.0	1514.0	0.99	-0.31	-2.90	-17.8	-30.1	-61.9	-0.05	10	-106
0.8	36.46	1532.4	1528.2	1523.1	0.90	-0.36	-2.89	-17.6	-30.2	-63.7	-0.04	100	-126
1.0	35.87	1541.6	1537.1	1531.9	0.81	-0.44	-2.94	-17.3	-29.7	-64.6	-0.03	1000	-144
1.3	35.83	1550.7	1546.1	1540.7	0.74	-0.52	-3.00	-17.1	-29.6	-63.0	-0.02		
1.5	35.82	1559.9	1555.0	1549.5	0.71	-0.57	-3.05	-16.9	-29.1	-64.2	-0.02		
1.8	36.34	1569.2	1564.1	1558.4	0.71	-0.60	-3.00	-16.8	-28.9	-62.0	-0.01		
2.0	37.09	1578.7	1573.4	1567.4	0.64	-0.61	-2.96	-16.8	-28.8	-59.0	-0.01		
2.3	37.77	1588.4	1582.8	1576.6	0.55	-0.66	-2.98	-16.8	-28.8	-57.3	-0.01		
2.5	38.95	1598.3	1592.6	1586.1	0.41	-0.73	-3.07	-16.8	-28.6	-54.8	-0.01		
2.8	39.60	1608.4	1602.5	1595.8	0.38	-0.76	-3.15	-16.9	-28.5	-54.4	-0.01		
3.0	40.18	1618.7	1612.5	1605.7	0.32	-0.82	-3.30	-17.1	-27.8	-53.4	-0.02		
3.3	41.18	1629.1	1622.8	1615.8	0.25	-0.87	-3.35	-17.5	-27.8	-51.3	-0.04		
3.5	41.96	1639.7	1633.3	1626.0	0.23	-0.88	-3.41	-17.7	-28.2	-50.9	-0.06		
3.8	42.45	1650.3	1643.9	1636.5	0.11	-0.96	-3.46	-17.9	-27.7	-49.9	-0.08		
4.0	42.85	1661.1	1654.6	1647.1	-0.07	-1.01	-3.51	-17.9	-27.7	-48.8	-0.11		
4.3	42.84	1671.9	1665.3	1657.6	-0.23	-1.12	-3.68	-17.8	-26.7	-47.6	-0.14		
4.5	43.40	1682.9	1676.2	1668.2	-0.29	-1.15	-3.86	-17.8	-27.0	-47.4	-0.18		
4.8	42.82	1693.6	1686.9	1678.8	-0.29	-1.17	-3.97	-17.7	-27.1	-45.6	-0.21		
5.0	42.44	1704.3	1697.5	1689.3	-0.30	-1.24	-4.00	-17.6	-27.2	-44.3	-0.25		
5.3	42.36	1714.9	1708.1	1699.7	-0.36	-1.31	-4.12	-17.5	-27.4	-44.3	-0.28		
5.5	41.57	1725.4	1718.5	1709.9	-0.50	-1.45	-4.41	-17.4	-26.3	-43.5	-0.32		
5.8	41.37	1735.8	1728.8	1720.1	-0.48	-1.51	-4.62	-17.4	-26.7	-41.4	-0.35		
6.0	40.80	1746.0	1739.0	1730.1	-0.53	-1.57	-4.84	-17.3	-27.0	-39.4	-0.37		
6.3	39.87	1756.0	1749.0	1740.0	-0.56	-1.75	-5.09	-17.3	-27.7	-39.6	-0.40		
6.5	39.62	1766.0	1758.9	1749.6	-0.59	-1.85	-5.46	-17.3	-27.8	-38.8	-0.42		
6.8	38.84	1775.9	1768.6	1759.2	-0.58	-1.97	-5.81	-17.3	-27.7	-37.4	-0.44		
7.0	38.50	1785.5	1778.2	1768.7	-0.62	-2.14	-6.27	-17.6	-28.4	-36.7	-0.46		