

Voltage Controlled Oscillator

ROS-EDR5570

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	42.14	1468.7	1462.2	1457.8	0.84	-0.74	-2.03	-20.9	-31.2	-57.6	-0.35	1	-81
0.5	38.80	1478.4	1471.9	1467.5	0.87	-0.69	-2.00	-20.4	-31.0	-58.3	-0.34	10	-105
0.8	37.15	1487.7	1481.2	1476.7	0.92	-0.66	-1.95	-20.1	-31.0	-58.0	-0.34	100	-124
1.0	36.27	1496.9	1490.3	1485.8	0.93	-0.63	-1.91	-20.3	-31.0	-57.7	-0.33	1000	-143
1.3	36.18	1506.1	1499.3	1494.7	0.90	-0.64	-1.92	-20.3	-30.9	-58.2	-0.34		
1.5	36.42	1515.4	1508.4	1503.7	0.89	-0.67	-1.99	-20.1	-30.7	-58.7	-0.34		
1.8	36.78	1524.8	1517.6	1512.8	0.89	-0.66	-1.95	-19.8	-30.4	-56.9	-0.34		
2.0	37.63	1534.3	1527.0	1522.0	0.88	-0.65	-1.99	-19.5	-30.4	-55.3	-0.35		
2.3	38.22	1544.1	1536.6	1531.5	0.84	-0.68	-1.99	-19.4	-30.2	-58.3	-0.36		
2.5	39.38	1554.2	1546.4	1541.2	0.81	-0.75	-2.05	-19.5	-29.9	-55.3	-0.38		
2.8	40.14	1564.6	1556.5	1551.1	0.84	-0.78	-2.14	-19.7	-29.7	-54.4	-0.39		
3.0	41.13	1575.0	1566.7	1561.3	0.84	-0.84	-2.15	-19.9	-29.7	-54.6	-0.40		
3.3	42.19	1585.7	1577.3	1571.7	0.72	-0.88	-2.21	-20.2	-29.6	-53.0	-0.41		
3.5	43.04	1596.6	1588.0	1582.3	0.60	-0.89	-2.22	-20.2	-29.5	-52.6	-0.44		
3.8	43.42	1607.7	1598.9	1593.0	0.60	-0.88	-2.25	-20.0	-29.4	-51.5	-0.47		
4.0	43.84	1618.9	1609.9	1603.9	0.59	-0.89	-2.26	-20.0	-29.5	-52.2	-0.49		
4.3	44.20	1630.1	1620.9	1614.7	0.54	-0.99	-2.39	-19.8	-29.4	-51.4	-0.53		
4.5	44.62	1641.3	1632.1	1625.7	0.52	-1.00	-2.41	-19.5	-29.0	-52.5	-0.56		
4.8	43.96	1652.4	1643.1	1636.7	0.52	-1.04	-2.50	-19.1	-29.2	-51.2	-0.60		
5.0	43.63	1663.5	1654.0	1647.4	0.52	-1.05	-2.58	-19.0	-29.0	-50.1	-0.63		
5.3	43.70	1674.4	1664.9	1658.1	0.48	-1.08	-2.63	-18.8	-28.8	-49.0	-0.67		
5.5	43.14	1685.3	1675.7	1668.8	0.51	-1.14	-2.72	-18.4	-28.9	-49.5	-0.70		
5.8	42.19	1695.9	1686.2	1679.3	0.54	-1.20	-2.88	-17.7	-29.2	-49.0	-0.74		
6.0	41.45	1706.5	1696.6	1689.5	0.57	-1.27	-3.07	-17.3	-28.8	-48.7	-0.79		
6.3	41.21	1716.8	1706.9	1699.5	0.62	-1.34	-3.19	-17.0	-29.3	-48.7	-0.83		
6.5	40.13	1726.9	1716.9	1709.3	0.67	-1.38	-3.43	-16.8	-29.5	-47.8	-0.87		
6.8	39.35	1736.7	1726.8	1718.9	0.63	-1.50	-3.65	-16.6	-29.8	-48.6	-0.93		
7.0	38.24	1746.3	1736.3	1728.3	0.57	-1.73	-4.02	-16.4	-30.4	-49.2	-0.98		