

Voltage Controlled Oscillator

ROS-EDR6238

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	41.12	1544.8	1537.5	1531.3	-0.48	-1.37	-2.53	-29.1	-41.8	-60.9	-0.42	1	-81
0.5	36.47	1553.5	1546.6	1540.6	-0.57	-1.48	-2.66	-28.9	-42.4	-60.9	-0.30	10	-106
0.8	32.68	1561.5	1554.8	1549.0	-0.70	-1.55	-2.77	-28.8	-42.7	-61.0	-0.22	100	-126
1.0	30.45	1569.0	1562.4	1556.7	-0.85	-1.67	-2.83	-28.8	-42.6	-60.1	-0.17	1000	-146
1.3	28.70	1576.1	1569.6	1563.9	-0.99	-1.78	-2.94	-28.7	-42.5	-60.6	-0.12		
1.5	27.40	1583.0	1576.4	1570.8	-1.10	-1.90	-3.05	-28.8	-42.8	-60.3	-0.07		
1.8	26.42	1589.6	1583.0	1577.4	-1.16	-2.04	-3.20	-29.0	-42.4	-60.5	-0.05		
2.0	25.82	1596.0	1589.5	1583.8	-1.21	-2.12	-3.35	-29.5	-42.4	-59.9	-0.01		
2.3	24.87	1602.2	1595.7	1590.0	-1.31	-2.18	-3.48	-30.0	-42.0	-59.1	0.00		
2.5	24.03	1608.3	1601.7	1596.1	-1.40	-2.32	-3.55	-30.2	-41.5	-60.2	0.02		
2.8	23.68	1614.2	1607.6	1602.0	-1.50	-2.44	-3.67	-30.3	-40.9	-59.2	0.04		
3.0	23.32	1620.0	1613.4	1607.9	-1.62	-2.60	-3.83	-30.4	-40.7	-59.1	0.06		
3.3	23.08	1625.7	1619.2	1613.6	-1.75	-2.75	-3.97	-30.5	-40.7	-59.1	0.08		
3.5	22.89	1631.4	1624.9	1619.2	-1.89	-2.91	-4.15	-30.9	-40.1	-57.7	0.11		
3.8	22.94	1637.2	1630.7	1624.9	-2.01	-3.06	-4.32	-31.3	-39.4	-57.6	0.13		
4.0	22.67	1642.8	1636.3	1630.5	-2.17	-3.15	-4.50	-31.3	-38.7	-57.7	0.15		
4.3	22.27	1648.4	1641.9	1636.1	-2.36	-3.27	-4.61	-31.3	-38.5	-57.4	0.17		
4.5	22.14	1654.0	1647.4	1641.6	-2.54	-3.44	-4.75	-31.1	-38.1	-56.5	0.18		
4.8	22.10	1659.7	1653.0	1647.0	-2.72	-3.61	-4.96	-31.0	-37.2	-56.4	0.20		
5.0	22.07	1665.3	1658.5	1652.5	-2.89	-3.81	-5.15	-30.9	-36.6	-55.6	0.22		