

Voltage Controlled Oscillator

SOS-EDR11144

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			
0.0	11.56	1577.2	1570.6	1566.1	1.64	1.60	0.96	-17.2	-27.9	-30.9	0.02	1	-89
0.5	9.55	1582.8	1576.4	1572.0	1.71	1.62	0.97	-17.4	-29.2	-31.2	0.09	10	-112
1.0	8.54	1587.5	1581.1	1576.8	1.80	1.67	1.01	-17.5	-29.2	-31.6	0.11	100	-133
1.5	7.92	1591.8	1585.4	1581.0	1.87	1.73	1.06	-17.8	-28.8	-31.3	0.12	1000	-153
2.0	7.56	1595.8	1589.4	1585.0	1.93	1.80	1.13	-18.0	-29.4	-30.6	0.12		
2.5	7.35	1599.6	1593.1	1588.7	1.99	1.87	1.19	-18.2	-29.9	-30.8	0.12		
3.0	7.21	1603.3	1596.8	1592.3	2.05	1.92	1.26	-18.4	-29.9	-31.5	0.12		
3.5	7.11	1606.9	1600.4	1595.9	2.08	1.97	1.32	-18.5	-29.1	-31.5	0.11		
4.0	7.09	1610.6	1604.0	1599.4	2.09	2.03	1.37	-18.5	-29.5	-31.1	0.10		
4.5	7.13	1614.2	1607.5	1602.9	2.11	2.06	1.43	-18.6	-29.8	-31.1	0.10		
5.0	7.20	1617.8	1611.1	1606.4	2.11	2.08	1.47	-18.6	-30.2	-31.8	0.09		
5.5	7.29	1621.4	1614.7	1609.9	2.08	2.08	1.50	-18.6	-30.1	-31.7	0.08		
6.0	7.44	1625.1	1618.3	1613.5	2.06	2.06	1.50	-18.6	-29.6	-30.7	0.07		
6.5	7.59	1628.9	1622.0	1617.2	2.04	2.04	1.49	-18.7	-28.8	-30.4	0.06		
7.0	7.78	1632.7	1625.8	1620.9	2.02	2.01	1.47	-18.8	-28.6	-30.6	0.05		
7.5	8.01	1636.7	1629.7	1624.7	2.02	1.98	1.45	-18.7	-29.2	-31.4	0.04		
8.0	8.25	1640.7	1633.7	1628.7	2.05	1.96	1.43	-18.8	-28.6	-31.9	0.03		
8.5	8.52	1644.9	1637.8	1632.7	2.08	1.96	1.40	-18.9	-27.8	-30.2	0.00		
9.0	8.82	1649.2	1642.1	1636.9	2.12	1.97	1.40	-19.0	-27.1	-29.5	0.02		
9.5	9.12	1653.7	1646.5	1641.2	2.16	2.00	1.41	-19.1	-26.7	-30.1	0.05		
10.0	9.38	1658.3	1651.1	1645.7	2.21	2.04	1.44	-19.3	-26.4	-30.5	0.08		
10.5	9.58	1663.1	1655.8	1650.3	2.24	2.07	1.49	-19.3	-26.7	-30.9	0.13		
11.0	9.75	1667.9	1660.6	1655.0	2.27	2.11	1.53	-19.5	-26.8	-29.6	0.20		
11.5	9.82	1672.8	1665.4	1659.8	2.29	2.14	1.56	-19.4	-26.4	-29.6	0.29		
12.0	9.82	1677.8	1670.3	1664.7	2.29	2.15	1.61	-19.4	-25.6	-29.7	0.39		

Notes

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
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