

Voltage Controlled Oscillator

ROS-EDR9645/2

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	36.10	1463.50	1457.35	1451.81	2.97	3.24	3.29	-27.22	-26.89	-31.64	0.37	1	-80
0.3	33.86	1472.25	1466.38	1461.10	3.05	3.31	3.37	-27.20	-26.56	-31.37	0.30	10	-108
0.5	32.76	1480.61	1474.84	1469.67	3.12	3.40	3.45	-27.59	-26.27	-31.16	0.27	100	-130
0.8	32.20	1488.76	1483.03	1477.86	3.19	3.46	3.54	-27.75	-25.99	-31.67	0.25	1000	-151
1.0	32.13	1496.84	1491.09	1485.90	3.27	3.54	3.61	-27.95	-25.72	-30.90	0.24		
1.3	32.29	1504.92	1499.12	1493.86	3.34	3.61	3.68	-28.44	-25.25	-31.75	0.23		
1.5	32.59	1513.05	1507.19	1501.86	3.42	3.69	3.76	-28.62	-25.38	-31.40	0.22		
1.8	33.13	1521.30	1515.34	1509.93	3.48	3.76	3.84	-29.00	-25.25	-31.78	0.22		
2.0	33.67	1529.67	1523.62	1518.11	3.55	3.82	3.91	-29.01	-24.88	-32.44	0.22		
2.3	34.19	1538.18	1532.04	1526.42	3.63	3.89	3.97	-29.16	-24.61	-33.04	0.24		
2.5	34.66	1546.82	1540.59	1534.89	3.69	3.96	4.05	-28.81	-24.41	-33.17	0.29		
2.8	34.79	1555.51	1549.25	1543.46	3.76	4.02	4.11	-28.76	-24.21	-35.22	0.40		
3.0	34.70	1564.20	1557.95	1552.14	3.85	4.10	4.18	-28.86	-24.50	-34.57	0.58		
3.3	34.09	1572.78	1566.62	1560.80	3.91	4.18	4.26	-28.85	-24.13	-36.86	0.82		
3.5	33.29	1581.18	1575.14	1569.39	3.98	4.24	4.33	-28.80	-24.07	-35.05	1.11		
3.8	32.13	1589.33	1583.47	1577.79	4.04	4.31	4.39	-28.31	-24.21	-38.21	1.40		
4.0	30.88	1597.21	1591.50	1585.94	4.10	4.37	4.45	-28.17	-23.87	-37.57	1.66		
4.3	29.44	1604.76	1599.22	1593.76	4.15	4.43	4.51	-27.93	-23.71	-39.06	1.88		
4.5	28.00	1612.00	1606.58	1601.22	4.21	4.48	4.56	-27.77	-23.49	-38.99	2.04		
4.8	26.51	1618.90	1613.58	1608.27	4.27	4.53	4.61	-27.46	-23.57	-40.56	2.11		
5.0	25.03	1625.46	1620.21	1614.94	4.34	4.59	4.66	-27.53	-23.67	-38.24	2.12		
5.3	23.54	1631.69	1626.47	1621.20	4.38	4.65	4.72	-27.22	-23.55	-41.24	2.05		
5.5	22.13	1637.57	1632.35	1627.07	4.43	4.69	4.77	-26.95	-23.37	-41.64	1.91		
5.8	20.79	1643.12	1637.88	1632.57	4.48	4.73	4.80	-26.67	-23.34	-38.91	1.72		
6.0	19.60	1648.37	1643.08	1637.71	4.53	4.78	4.84	-26.45	-23.33	-40.89	1.49		
6.3	18.46	1653.32	1647.98	1642.55	4.58	4.82	4.88	-26.30	-23.41	-42.66	1.25		
6.5	17.51	1658.00	1652.60	1647.08	4.61	4.86	4.92	-26.13	-23.25	-40.87	1.00		
6.8	16.69	1662.43	1656.97	1651.39	4.66	4.89	4.95	-25.89	-23.20	-40.52	0.77		
7.0	16.69	1666.65	1661.15	1655.48	4.69	4.92	4.98	-25.90	-23.27	-42.51	0.57		

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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