

Voltage Controlled Oscillator

ROS-EDR6300

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	23.14	1694.6	1690.7	1685.1	5.63	4.43	2.66	-19.8	-39.0	-52.8	0.01	1	-86
0.5	21.30	1699.9	1696.1	1690.5	5.69	4.53	2.76	-19.8	-39.4	-52.1	0.02	10	-108
0.8	20.25	1704.9	1701.1	1695.7	5.66	4.55	2.86	-19.8	-38.9	-51.5	0.03	100	-128
1.0	19.95	1710.0	1706.1	1700.7	5.57	4.53	2.94	-19.8	-38.7	-51.0	0.04	1000	-148
1.3	20.02	1715.1	1711.1	1705.6	5.39	4.48	2.94	-19.7	-38.5	-50.3	0.06		
1.5	20.37	1720.5	1716.2	1710.6	5.27	4.39	2.91	-19.7	-38.8	-50.2	0.09		
1.8	21.01	1725.8	1721.5	1715.6	5.37	4.26	2.85	-19.7	-39.3	-50.5	0.11		
2.0	21.78	1731.1	1726.9	1720.8	5.40	4.24	2.76	-19.7	-39.5	-49.0	0.11		
2.3	21.92	1736.7	1732.4	1726.3	5.45	4.31	2.66	-19.7	-39.0	-49.1	0.09		
2.5	22.56	1742.4	1738.0	1731.9	5.47	4.40	2.71	-19.7	-38.6	-48.4	0.08		
2.8	22.89	1748.1	1743.7	1737.5	5.42	4.42	2.80	-19.8	-38.7	-48.3	0.08		
3.0	23.26	1754.1	1749.6	1743.3	5.30	4.39	2.86	-19.7	-39.9	-46.4	0.05		
3.3	23.94	1760.4	1755.5	1749.3	5.26	4.29	2.84	-19.8	-40.5	-47.0	0.03		
3.5	25.23	1766.7	1761.8	1755.3	5.29	4.21	2.78	-19.8	-39.9	-46.9	-0.01		
3.8	25.58	1773.1	1768.2	1761.4	5.30	4.24	2.65	-19.7	-38.7	-45.3	-0.05		
4.0	25.78	1779.6	1774.7	1767.9	5.42	4.33	2.59	-19.6	-40.0	-44.3	-0.13		
4.3	25.81	1786.1	1781.1	1774.4	5.42	4.47	2.63	-19.6	-42.3	-43.3	-0.23		
4.5	25.77	1792.6	1787.6	1780.9	5.25	4.40	2.77	-19.6	-42.6	-42.8	-0.32		
4.8	25.68	1799.0	1794.0	1787.3	4.92	4.21	2.78	-19.6	-41.1	-40.7	-0.34		
5.0	25.11	1805.5	1800.3	1793.6	4.92	4.08	2.68	-19.8	-41.5	-40.2	-0.40		
5.3	25.73	1811.9	1806.7	1799.9	4.99	3.94	2.56	-19.8	-44.4	-40.7	-0.48		
5.5	25.87	1818.4	1813.2	1806.1	5.01	3.95	2.42	-19.6	-45.7	-38.3	-0.57		
5.8	25.57	1824.7	1819.6	1812.5	5.08	4.01	2.33	-19.5	-44.9	-37.6	-0.69		
6.0	24.99	1830.9	1825.8	1818.8	5.02	4.08	2.33	-19.6	-43.5	-36.4	-0.78		
6.3	24.36	1837.1	1831.9	1825.0	4.86	4.00	2.37	-19.6	-46.0	-34.6	-0.87		
6.5	24.46	1843.4	1838.0	1831.1	4.77	3.88	2.36	-19.4	-49.7	-33.7	-0.94		
6.8	24.65	1849.5	1844.2	1837.1	4.75	3.74	2.26	-19.2	-50.3	-32.4	-1.00		
7.0	24.23	1855.5	1850.2	1843.0	4.70	3.69	2.11	-19.1	-47.2	-31.9	-1.05		