

Voltage Controlled Oscillator

ROS-EDR5890

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			
1.0	36.80	1264.5	1256.4	1245.9	7.59	6.92	6.03	-12.0	-22.8	-28.9	0.32	1	-81
2.0	36.10	1297.9	1292.5	1280.4	7.37	6.80	5.82	-11.9	-21.2	-28.7	0.32	10	-105
3.0	38.46	1335.7	1331.0	1316.9	7.02	6.56	5.73	-12.1	-19.8	-30.3	0.32	100	-124
4.0	40.64	1374.8	1371.6	1355.5	6.75	6.36	5.62	-12.3	-18.5	-31.9	0.26	1000	-139
5.0	39.62	1412.9	1411.3	1394.2	6.53	6.19	5.62	-13.0	-18.0	-30.2	0.26		
6.0	37.63	1449.4	1448.9	1431.1	6.19	6.03	5.60	-13.6	-17.2	-27.6	0.13		
7.0	35.97	1484.2	1484.9	1466.4	6.00	5.95	5.54	-14.3	-17.4	-26.7	0.19		
8.0	34.05	1517.2	1518.9	1499.8	5.94	5.92	5.47	-14.4	-17.0	-25.4	0.19		
9.0	32.77	1549.1	1551.7	1531.5	5.75	5.85	5.54	-15.6	-17.1	-26.1	0.26		
10.0	31.36	1579.6	1583.0	1562.2	5.55	5.73	5.56	-15.8	-16.9	-24.7	0.26		
11.0	30.14	1609.0	1613.2	1591.9	5.44	5.76	5.51	-17.6	-17.5	-24.1	0.13		
12.0	29.47	1637.8	1642.7	1620.3	5.25	5.75	5.54	-17.7	-17.4	-23.2	0.23		
13.0	28.32	1665.5	1671.0	1648.0	5.05	5.69	5.58	-19.6	-17.5	-24.2	0.19		
14.0	27.25	1692.3	1698.2	1674.8	4.93	5.75	5.57	-20.3	-17.8	-24.4	0.23		
15.0	26.32	1718.3	1724.5	1700.4	4.76	5.71	5.68	-21.1	-17.9	-24.6	0.26		
16.0	25.16	1743.2	1749.7	1725.3	4.64	5.69	5.68	-22.6	-18.7	-25.2	0.17		
17.0	24.12	1767.4	1773.8	1749.1	4.51	5.71	5.71	-22.2	-19.6	-24.4	0.19		
18.0	23.08	1790.3	1796.9	1772.1	4.41	5.64	5.70	-23.0	-21.1	-24.5	0.15		
19.0	22.11	1812.3	1819.0	1794.0	4.40	5.63	5.70	-22.0	-22.3	-25.5	0.13		
20.0	21.28	1833.3	1840.3	1815.2	4.35	5.56	5.66	-19.9	-22.0	-26.4	0.02		
21.0	20.07	1853.7	1860.4	1835.2	4.40	5.63	5.69	-19.0	-20.8	-28.8	0.00		
22.0	18.47	1872.8	1878.8	1854.1	4.53	5.70	5.68	-18.3	-19.9	-31.7	-0.05		
23.0	16.79	1891.0	1895.6	1871.2	4.71	5.82	5.78	-17.0	-18.9	-31.4	-0.06		
24.0	14.51	1906.9	1910.1	1886.9	5.00	5.97	5.85	-16.3	-18.3	-30.2	-0.06		
25.0	12.84	1921.3	1923.0	1900.8	5.17	6.03	5.92	-16.0	-18.0	-29.4	-0.07		
26.0	11.12	1933.9	1934.1	1912.6	5.39	6.12	6.06	-15.8	-17.9	-29.5	0.00		