

Voltage Controlled Oscillator

ROS-EDR4628

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	73.50	726.4	702.1	701.4	9.92	9.32	9.28	-43.6	-26.4	-38.8	0.58	1	-70
2.0	58.90	784.2	761.0	760.5	10.07	9.26	9.21	-34.5	-26.1	-43.5	0.58	10	-100
3.0	53.40	835.6	814.4	813.8	10.09	9.40	9.34	-32.3	-26.4	-49.4	0.70	100	-121
4.0	49.70	886.8	864.1	863.7	10.40	9.56	9.52	-27.5	-26.0	-52.6	0.70	1000	-144
5.0	49.70	936.8	913.9	913.3	10.42	9.57	9.54	-25.3	-26.0	-52.0	0.70		
6.0	50.80	987.9	964.7	964.1	10.67	9.64	9.62	-24.0	-27.6	-50.6	0.70		
7.0	52.20	1040.6	1016.8	1016.3	10.58	9.74	9.73	-22.8	-29.0	-48.7	0.70		
8.0	55.60	1096.4	1072.5	1071.9	10.77	9.66	9.63	-22.2	-34.5	-46.0	0.77		
9.0	58.60	1156.5	1131.1	1130.4	10.60	9.59	9.56	-21.8	-39.3	-45.6	0.70		
10.0	60.80	1215.1	1191.9	1191.2	10.56	9.48	9.45	-21.3	-38.5	-44.6	0.77		
11.0	61.90	1277.3	1253.8	1253.1	10.39	9.35	9.33	-21.2	-36.5	-44.1	0.83		
12.0	58.90	1333.4	1312.7	1312.1	10.18	9.15	9.16	-21.9	-34.9	-46.7	0.90		
13.0	56.60	1390.2	1369.3	1368.6	9.80	8.85	8.82	-22.6	-36.1	-45.9	0.83		
14.0	54.10	1441.7	1423.5	1422.7	9.39	8.59	8.56	-22.9	-35.1	-45.8	0.83		
15.0	49.80	1490.8	1473.3	1472.6	8.98	8.35	8.33	-24.1	-35.4	-49.7	0.77		
16.0	46.10	1537.7	1519.4	1518.9	8.56	8.01	7.97	-25.1	-34.2	-48.6	0.70		
17.0	43.60	1581.3	1563.1	1562.5	8.28	7.65	7.55	-26.2	-34.8	-48.4	0.58		
18.0	41.20	1620.8	1604.2	1603.7	7.92	7.40	7.33	-27.8	-34.5	-49.3	0.38		
19.0	37.80	1659.3	1642.0	1641.4	7.64	7.23	7.17	-29.1	-34.2	-48.6	0.38		
20.0	34.20	1693.3	1676.2	1675.8	7.40	7.03	6.99	-30.9	-34.8	-49.5	0.32		
21.0	31.40	1723.8	1707.6	1707.2	6.80	6.72	6.70	-32.4	-36.3	-49.9	0.26		
22.0	29.50	1754.8	1737.1	1736.8	6.76	6.38	6.37	-33.0	-36.8	-51.7	0.32		
23.0	28.20	1782.3	1765.3	1765.0	6.55	6.06	6.05	-34.2	-37.8	-54.7	0.45		
24.0	26.20	1808.8	1791.6	1791.3	6.23	5.80	5.79	-35.1	-38.4	-57.4	0.38		
25.0	24.60	1833.2	1816.1	1815.9	6.01	5.64	5.64	-36.8	-37.8	-58.7	0.45		
26.0	21.60	1854.8	1837.7	1837.4	5.69	5.60	5.61	-36.7	-37.5	-58.2	0.51		
27.0	18.60	1874.9	1856.3	1856.1	5.72	5.56	5.58	-36.5	-37.2	-56.1	0.45		
28.0	15.60	1891.9	1871.9	1871.6	5.93	5.48	5.52	-36.9	-37.8	-58.0	0.58		
29.0	13.30	1904.9	1885.2	1884.9	5.81	5.38	5.43	-37.2	-37.6	-56.4	0.58		
30.0	11.30	1915.7	1896.5	1896.2	5.46	5.28	5.34	-36.6	-37.3	-57.8	0.58		