

Voltage Controlled Oscillator

ROS-EDR5423

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	25.27	782.1	779.6	778.6	7.90	7.20	6.24	-11.8	-32.9	-28.6	0.00	1	-82
2.0	24.85	806.3	804.5	802.8	7.28	6.52	6.04	-12.6	-38.9	-26.3	-0.01	10	-109
3.0	26.70	833.9	831.2	829.4	6.17	6.04	5.73	-13.9	-31.2	-26.2	0.01	100	-130
4.0	29.17	863.0	860.4	858.1	5.72	5.82	5.61	-14.8	-23.5	-25.0	-0.02	1000	-147
5.0	29.35	892.7	889.7	887.4	5.43	5.83	5.56	-15.0	-21.6	-28.1	-0.04		
6.0	28.48	921.1	918.2	915.7	5.72	6.02	5.79	-14.8	-27.4	-31.0	-0.11		
7.0	27.05	948.2	945.2	942.8	5.73	6.13	5.79	-14.5	-30.4	-31.8	-0.14		
8.0	25.86	974.0	971.1	968.6	5.96	6.33	6.03	-14.7	-28.4	-33.6	-0.17		
9.0	24.47	998.7	995.5	993.0	6.04	6.54	6.12	-15.3	-26.5	-36.2	-0.18		
10.0	23.52	1022.3	1019.1	1016.2	6.31	6.77	6.37	-15.8	-25.2	-39.2	-0.18		
11.0	22.25	1044.7	1041.3	1038.5	6.45	7.00	6.46	-16.4	-24.3	-42.7	-0.16		
12.0	21.24	1066.2	1062.6	1060.6	6.79	7.13	5.97	-17.6	-23.7	-47.0	-0.22		
13.0	21.34	1086.6	1083.9	1082.6	7.03	6.45	5.29	-19.7	-24.4	-55.3	-0.49		
14.0	21.25	1106.8	1105.1	1103.6	6.48	5.63	4.70	-21.4	-24.6	-60.2	-0.47		
15.0	20.18	1127.2	1125.3	1123.6	5.71	5.04	4.37	-22.9	-24.7	-49.4	-0.45		
16.0	18.98	1146.4	1144.3	1142.5	5.10	4.63	4.10	-25.3	-23.7	-43.9	-0.45		
17.0	17.88	1164.4	1162.2	1160.2	4.75	4.31	3.87	-28.1	-24.5	-40.8	-0.47		
18.0	16.67	1181.1	1178.8	1176.7	4.60	4.14	3.88	-30.6	-24.7	-39.2	-0.51		
19.0	15.31	1196.4	1194.2	1192.0	4.39	4.05	3.79	-33.9	-25.3	-36.7	-0.57		
20.0	14.03	1210.5	1208.2	1205.9	4.28	4.01	3.74	-37.3	-26.0	-35.9	-0.62		
21.0	12.75	1223.2	1220.9	1218.6	4.29	3.98	3.76	-37.7	-25.6	-34.4	-0.67		
22.0	11.34	1234.7	1232.3	1229.8	4.25	4.01	3.80	-34.9	-25.8	-34.3	-0.68		
23.0	10.04	1244.8	1242.3	1239.9	4.15	4.03	3.76	-31.7	-25.7	-33.4	-0.68		
24.0	8.87	1253.9	1251.2	1248.7	4.07	4.03	3.68	-29.2	-25.5	-32.8	-0.64		