

Voltage Controlled Oscillator

ROS-EDR6248

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	17.89	1152.8	1147.8	1143.0	3.80	3.30	1.98	-11.7	-25.1	-28.9	0.32	1	-85
2.0	16.48	1169.4	1164.3	1159.3	3.84	3.37	2.29	-11.7	-24.5	-28.0	0.43	10	-110
3.0	17.22	1186.6	1181.5	1176.4	3.84	3.41	2.48	-11.7	-24.0	-27.5	0.38	100	-130
4.0	17.84	1204.4	1199.3	1194.2	3.81	3.40	2.61	-11.4	-23.9	-26.9	0.18	1000	-146
5.0	17.44	1221.7	1216.8	1211.8	3.83	3.42	2.71	-11.5	-22.2	-26.7	-0.05		
6.0	16.52	1238.1	1233.3	1228.3	3.87	3.46	2.79	-11.7	-21.2	-26.4	-0.18		
7.0	15.14	1253.1	1248.4	1243.5	3.93	3.48	2.85	-11.8	-20.4	-26.0	-0.20		
8.0	13.98	1267.1	1262.4	1257.5	3.96	3.51	2.88	-12.0	-19.6	-25.8	-0.19		
9.0	12.81	1279.9	1275.2	1270.3	3.98	3.53	2.93	-12.2	-19.1	-25.8	-0.16		
10.0	11.76	1291.6	1287.0	1282.1	4.02	3.58	3.01	-12.3	-18.6	-25.9	-0.13		
11.0	10.87	1302.5	1297.8	1292.9	4.02	3.58	3.06	-12.5	-18.5	-26.2	-0.09		
12.0	10.10	1312.6	1307.9	1303.0	4.00	3.58	3.06	-12.7	-18.3	-26.2	-0.08		
13.0	9.29	1321.9	1317.2	1312.3	3.99	3.56	3.07	-12.7	-17.9	-25.9	-0.06		
14.0	8.61	1330.5	1325.8	1320.8	4.01	3.60	3.11	-12.8	-17.5	-25.4	-0.03		
15.0	7.95	1338.5	1333.8	1328.8	4.03	3.62	3.12	-12.9	-17.3	-25.0	-0.01		
16.0	7.41	1346.0	1341.2	1336.1	4.06	3.64	3.14	-13.0	-17.2	-24.3	0.02		
17.0	6.76	1352.8	1348.0	1342.9	4.08	3.66	3.15	-13.1	-17.1	-23.8	0.01		
18.0	6.21	1359.0	1354.2	1349.0	4.12	3.70	3.18	-13.2	-17.0	-23.4	0.03		
19.0	5.63	1364.7	1359.8	1354.7	4.16	3.74	3.21	-13.3	-17.0	-23.0	0.01		
20.0	5.06	1369.7	1364.8	1359.7	4.22	3.76	3.23	-13.4	-16.7	-22.8	0.00		
21.0	4.43	1374.2	1369.3	1364.1	4.26	3.81	3.26	-13.4	-16.7	-22.6	0.00		
22.0	3.87	1378.2	1373.1	1368.0	4.29	3.84	3.28	-13.5	-16.7	-22.5	0.02		
23.0	3.35	1381.5	1376.5	1371.2	4.34	3.87	3.31	-13.6	-16.7	-22.3	0.06		
24.0	2.84	1384.4	1379.3	1374.0	4.37	3.91	3.34	-13.6	-16.7	-22.2	0.12		