

Voltage Controlled Oscillator

ROS-EDR5396

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	29.44	1161.6	1156.3	1152.5	1.65	1.80	0.91	-15.5	-26.6	-35.2	-0.49	1	-89
0.5	25.67	1167.8	1162.7	1159.4	1.69	1.81	0.86	-15.6	-27.0	-36.0	-0.39	10	-113
0.8	23.37	1173.5	1168.5	1165.6	1.72	1.80	0.80	-15.8	-27.8	-36.1	-0.32	100	-133
1.0	21.58	1178.7	1173.9	1171.3	1.72	1.78	0.72	-16.0	-28.7	-36.3	-0.25	1000	-150
1.3	19.62	1183.5	1178.8	1176.6	1.77	1.76	0.67	-16.1	-29.4	-36.4	-0.22		
1.5	20.61	1188.7	1184.0	1181.6	1.76	1.84	0.75	-16.0	-29.5	-36.9	-0.13		
1.8	19.80	1193.5	1189.0	1186.7	1.81	1.76	0.73	-15.8	-29.5	-37.0	-0.19		
2.0	19.12	1198.0	1193.7	1191.6	1.87	1.75	0.64	-15.8	-29.8	-37.3	-0.16		
2.3	18.53	1202.5	1198.4	1196.4	1.90	1.75	0.60	-15.8	-30.2	-37.4	-0.14		
2.5	18.17	1206.8	1202.9	1200.9	1.90	1.73	0.58	-16.0	-30.0	-37.2	-0.12		
2.8	17.90	1211.0	1207.4	1205.4	1.90	1.69	0.55	-16.3	-30.1	-37.3	-0.11		
3.0	17.66	1215.2	1211.8	1209.8	1.88	1.63	0.50	-16.5	-30.1	-37.7	0.00		
3.3	17.59	1219.3	1216.2	1214.2	1.86	1.56	0.45	-16.8	-29.9	-38.0	-0.07		
3.5	17.22	1223.4	1220.5	1218.5	1.82	1.50	0.41	-16.9	-29.8	-37.8	-0.09		
3.8	17.18	1227.5	1224.8	1222.8	1.76	1.43	0.35	-17.1	-29.9	-37.4	-0.08		
4.0	17.09	1231.6	1229.1	1227.0	1.66	1.34	0.29	-17.1	-30.3	-37.3	-0.08		
4.3	17.05	1235.7	1233.3	1231.2	1.61	1.23	0.22	-17.0	-30.7	-37.3	-0.08		
4.5	16.91	1239.8	1237.6	1235.4	1.58	1.17	0.14	-17.0	-31.5	-37.5	-0.07		
4.8	16.84	1243.9	1241.8	1239.6	1.55	1.13	0.11	-17.2	-32.6	-38.1	-0.07		
5.0	16.83	1248.0	1246.0	1243.7	1.51	1.09	0.08	-17.4	-33.6	-38.8	0.03		
5.3	17.08	1252.2	1250.2	1247.9	1.47	1.05	0.05	-17.7	-34.1	-38.8	0.01		
5.5	16.64	1256.5	1254.4	1252.0	1.42	1.01	0.02	-17.9	-34.4	-38.6	-0.06		
5.8	16.93	1260.7	1258.6	1256.2	1.38	0.97	-0.01	-18.2	-34.5	-38.3	-0.05		
6.0	16.98	1265.0	1262.9	1260.4	1.34	0.94	-0.03	-18.4	-34.3	-38.3	-0.05		
6.3	17.04	1269.3	1267.1	1264.6	1.31	0.91	-0.06	-18.4	-34.0	-38.3	-0.04		
6.5	17.12	1273.6	1271.4	1268.8	1.27	0.88	-0.08	-18.3	-34.0	-37.9	-0.04		
6.8	17.23	1278.0	1275.7	1273.1	1.22	0.84	-0.10	-18.3	-34.2	-37.5	-0.03		
7.0	17.38	1282.4	1280.1	1277.3	1.13	0.80	-0.12	-18.4	-34.3	-37.5	-0.06		