

Voltage Controlled Oscillator

ROS-1300-619+

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			
0.0	23.53	1227.0	1221.3	1216.4	-0.38	-0.41	-0.39	-28.3	-23.0	-38.1	0.41	1	-84
0.3	21.23	1232.6	1227.1	1222.6	-0.40	-0.46	-0.45	-28.2	-22.7	-37.7	0.21	10	-111
0.5	20.03	1237.8	1232.4	1228.0	-0.44	-0.49	-0.49	-28.1	-22.9	-37.2	0.11	100	-133
0.8	19.37	1242.7	1237.5	1233.1	-0.47	-0.53	-0.53	-27.9	-23.2	-36.9	0.05	1000	-152
1.0	19.04	1247.5	1242.3	1238.0	-0.51	-0.57	-0.57	-27.8	-23.2	-36.3	0.00		
1.3	19.00	1252.3	1247.1	1242.8	-0.55	-0.62	-0.61	-27.8	-22.9	-35.3	0.04		
1.5	19.08	1257.1	1251.8	1247.5	-0.58	-0.66	-0.66	-27.5	-22.6	-34.6	0.08		
1.8	19.22	1261.9	1256.6	1252.3	-0.62	-0.69	-0.70	-27.2	-22.5	-34.6	0.10		
2.0	19.42	1266.7	1261.4	1257.1	-0.67	-0.73	-0.73	-26.9	-22.4	-34.3	0.13		
2.3	19.70	1271.6	1266.2	1261.9	-0.72	-0.78	-0.77	-26.7	-22.3	-33.6	0.15		
2.5	20.01	1276.6	1271.2	1266.8	-0.78	-0.83	-0.82	-26.5	-22.6	-32.8	0.16		
2.8	20.24	1281.6	1276.2	1271.8	-0.83	-0.89	-0.88	-26.2	-22.9	-32.2	0.16		
3.0	20.43	1286.7	1281.2	1276.8	-0.88	-0.94	-0.94	-26.1	-22.8	-31.9	0.16		
3.3	20.58	1291.9	1286.3	1281.9	-0.93	-0.99	-1.00	-26.1	-22.5	-31.7	0.14		
3.5	20.75	1297.0	1291.5	1287.1	-0.98	-1.05	-1.05	-26.0	-22.0	-31.6	0.12		
3.8	20.77	1302.2	1296.7	1292.2	-1.03	-1.10	-1.11	-25.8	-21.9	-31.0	0.09		
4.0	20.72	1307.4	1301.9	1297.4	-1.09	-1.15	-1.16	-25.6	-22.2	-30.4	0.05		
4.3	20.57	1312.6	1307.0	1302.6	-1.13	-1.21	-1.22	-25.4	-22.4	-30.2	0.01		
4.5	20.49	1317.8	1312.2	1307.8	-1.16	-1.25	-1.29	-25.1	-22.3	-30.1	0.03		
4.8	20.30	1322.9	1317.3	1312.9	-1.18	-1.29	-1.34	-24.8	-22.0	-29.6	0.06		
5.0	20.06	1328.0	1322.4	1318.0	-1.21	-1.32	-1.38	-24.7	-21.7	-29.3	0.09		
5.3	19.75	1333.0	1327.4	1323.1	-1.24	-1.35	-1.41	-24.6	-21.5	-28.9	0.12		
5.5	19.40	1337.9	1332.3	1328.0	-1.26	-1.38	-1.44	-24.5	-21.5	-28.7	0.14		
5.8	19.13	1342.8	1337.2	1332.9	-1.28	-1.40	-1.48	-24.4	-21.8	-28.9	0.15		
6.0	18.80	1347.6	1342.0	1337.7	-1.29	-1.42	-1.51	-24.4	-22.2	-28.9	0.16		
6.3	18.43	1352.3	1346.7	1342.4	-1.30	-1.44	-1.53	-24.5	-22.3	-28.6	0.16		
6.5	18.06	1356.9	1351.3	1347.0	-1.32	-1.45	-1.54	-24.5	-22.1	-28.3	0.15		
6.8	17.68	1361.4	1355.8	1351.6	-1.34	-1.47	-1.56	-24.4	-21.8	-28.2	0.14		
7.0	17.68	1365.8	1360.2	1356.0	-1.37	-1.49	-1.58	-24.4	-21.4	-28.1	0.13		

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