

Voltage Controlled Oscillator

ROS-EDR4697/2

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	20.22	987.3	980.8	978.3	4.18	3.63	2.06	-29.7	-46.7	-53.5	0.13	1	-80
0.5	19.46	991.4	985.7	983.4	4.47	3.79	2.10	-29.8	-47.3	-51.8	0.13	10	-105
0.8	18.43	995.4	990.3	988.3	4.69	3.87	2.09	-30.2	-47.3	-53.9	0.26	100	-128
1.0	18.69	999.5	994.9	993.2	4.80	3.88	2.06	-30.5	-47.0	-54.6	0.32	1000	-146
1.3	19.20	1003.7	999.7	998.1	4.96	3.85	1.99	-30.8	-46.9	-54.0	0.32		
1.5	19.71	1007.9	1004.7	1003.4	5.11	3.80	1.87	-31.2	-46.6	-55.7	0.38		
1.8	20.74	1012.4	1009.9	1008.8	5.18	3.73	1.82	-31.4	-45.6	-54.8	0.38		
2.0	20.99	1017.3	1015.1	1014.1	5.16	3.64	1.76	-31.7	-44.9	-54.7	0.38		
2.3	22.02	1022.5	1020.6	1019.8	5.09	3.52	1.67	-32.1	-44.0	-54.8	0.38		
2.5	22.78	1028.1	1026.3	1025.5	4.98	3.39	1.57	-32.4	-43.1	-53.2	0.38		
2.8	23.55	1033.9	1032.2	1031.4	4.84	3.23	1.50	-33.0	-42.6	-52.9	0.38		
3.0	25.34	1039.8	1038.5	1037.2	4.69	3.02	1.48	-33.3	-42.1	-51.0	0.45		
3.3	25.09	1046.1	1044.8	1043.0	4.47	3.04	1.50	-33.6	-42.1	-50.5	0.26		
3.5	24.06	1052.7	1050.8	1048.7	4.34	3.11	1.59	-33.9	-42.1	-49.7	0.32		
3.8	22.53	1058.9	1056.4	1054.1	4.27	3.22	1.80	-34.3	-42.1	-49.1	0.13		
4.0	22.27	1065.1	1062.0	1059.2	4.27	3.36	1.97	-34.6	-42.1	-48.6	0.13		
4.3	21.25	1071.0	1067.3	1064.4	4.34	3.49	2.10	-34.6	-43.3	-48.1	0.06		
4.5	20.74	1076.5	1072.5	1069.6	4.42	3.58	2.18	-34.7	-44.3	-47.8	-0.06		
4.8	21.25	1081.9	1077.8	1075.0	4.46	3.62	2.23	-34.6	-44.9	-47.7	0.00		
5.0	21.25	1087.2	1083.1	1080.6	4.52	3.61	2.22	-34.7	-45.0	-47.0	-0.13		