

Voltage Controlled Oscillator

ROS-EDR4897

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			
0.5	12.16	107.9	107.5	107.5	6.46	6.87	6.46	-17.9	-37.8	-54.3	-0.13	1	-95
1.0	9.60	112.8	112.3	112.1	6.91	7.34	7.01	-19.5	-37.9	-52.5	0.00	10	-115
1.5	7.81	116.9	116.2	116.0	7.35	7.78	7.47	-20.9	-38.3	-51.7	-0.13	100	-132
2.0	7.04	120.4	119.7	119.4	7.80	8.22	7.94	-22.0	-38.7	-50.9	-0.06	1000	-150
2.5	6.40	123.6	122.9	122.6	8.24	8.65	8.40	-23.2	-39.2	-50.9	-0.06		
3.0	6.02	126.7	126.0	125.5	8.66	9.06	8.82	-24.2	-39.6	-50.6	-0.06		
3.5	5.63	129.5	128.8	128.3	9.06	9.45	9.21	-25.1	-40.0	-50.4	0.00		
4.0	5.25	132.2	131.4	130.9	9.42	9.81	9.58	-25.9	-40.4	-50.3	-0.06		
4.5	5.12	134.7	134.0	133.4	9.74	10.13	9.90	-26.7	-40.7	-50.2	-0.06		
5.0	5.12	137.2	136.5	135.9	10.01	10.39	10.17	-27.4	-40.9	-50.5	0.00		
5.5	4.86	139.8	138.9	138.4	10.19	10.57	10.34	-28.1	-41.0	-50.2	-0.06		
6.0	4.86	142.2	141.4	140.7	10.27	10.65	10.41	-28.6	-40.8	-50.2	-0.06		
6.5	4.74	144.5	143.7	143.2	10.24	10.61	10.36	-28.9	-40.8	-50.1	-0.06		
7.0	4.86	146.9	146.2	145.6	10.05	10.43	10.17	-29.1	-40.7	-50.0	-0.06		
7.5	4.74	149.2	148.5	148.0	9.72	10.11	9.85	-29.2	-40.6	-50.0	0.00		
8.0	4.61	151.6	150.8	150.3	9.24	9.68	9.41	-29.3	-40.4	-49.5	-0.06		
8.5	4.61	153.9	153.2	152.6	8.67	9.16	8.90	-29.2	-40.0	-49.0	-0.06		
9.0	4.48	156.1	155.4	154.8	8.04	8.58	8.32	-28.9	-39.7	-48.3	-0.06		
9.5	4.22	158.3	157.5	157.0	7.39	7.97	7.72	-28.6	-39.2	-47.6	-0.13		
10.0	4.10	160.3	159.6	159.0	6.75	7.36	7.13	-28.2	-38.4	-46.7	-0.06		
10.5	3.84	162.2	161.5	161.0	6.14	6.77	6.55	-27.8	-38.1	-46.0	-0.06		
11.0	3.71	164.0	163.3	162.9	5.56	6.20	6.00	-27.5	-37.4	-45.4	0.00		
11.5	3.33	165.7	165.0	164.6	5.01	5.66	5.48	-27.1	-36.6	-44.4	-0.06		
12.0	3.33	167.3	166.7	166.2	4.49	5.15	4.99	-26.7	-36.1	-43.6	-0.06		
12.5	3.07	168.8	168.2	167.8	4.00	4.67	4.53	-26.4	-35.5	-42.7	-0.06		
13.0	3.07	170.3	169.7	169.3	3.52	4.21	4.11	-26.0	-34.9	-41.9	0.00		
13.5	2.82	171.7	171.1	170.8	3.08	3.76	3.62	-25.7	-34.4	-41.1	-0.06		
14.0	2.69	173.1	172.5	172.2	2.67	3.35	3.25	-25.4	-33.9	-40.3	-0.06		
14.5	2.69	174.5	173.8	173.5	2.27	2.96	2.88	-25.1	-33.5	-39.6	-0.06		
15.0	2.56	175.7	175.1	174.7	1.90	2.60	2.52	-24.8	-33.1	-39.2	-0.06		