

Voltage Controlled Oscillator

ROS-EDR5541

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	16.66	186.4	183.9	182.9	6.11	4.77	3.77	-24.5	-34.9	-39.7	-0.04	1	-82
1.0	13.44	192.9	190.6	189.6	7.10	6.14	5.25	-25.6	-37.6	-41.1	-0.02	10	-102
1.5	11.83	198.8	196.5	195.5	7.72	6.86	6.10	-27.2	-39.2	-41.6	-0.01	100	-122
2.0	11.00	204.5	202.0	201.0	8.21	7.36	6.69	-28.6	-40.0	-41.5	-0.02	1000	-142
2.5	10.67	209.9	207.3	206.4	8.60	7.79	7.14	-29.4	-40.7	-41.6	-0.05		
3.0	10.57	215.1	212.6	211.5	8.83	8.16	7.50	-29.6	-41.3	-41.8	-0.04		
3.5	10.50	220.2	217.9	216.7	8.94	8.49	7.82	-29.2	-41.4	-42.1	-0.02		
4.0	10.47	225.7	223.1	221.9	9.04	8.78	8.12	-28.4	-41.0	-42.5	0.00		
4.5	10.61	231.3	228.4	227.3	9.15	9.03	8.41	-27.6	-40.4	-42.5	-0.02		
5.0	11.14	236.9	234.0	232.8	9.26	9.24	8.69	-27.0	-39.7	-42.7	-0.06		
5.5	11.86	242.6	239.9	238.6	9.35	9.44	8.96	-26.5	-39.2	-43.0	-0.06		
6.0	12.18	248.8	246.0	244.4	9.42	9.66	9.22	-26.0	-38.8	-43.7	-0.02		
6.5	12.38	255.4	252.2	250.4	9.60	9.91	9.45	-25.4	-38.4	-44.2	0.02		
7.0	12.49	262.1	258.4	256.8	9.86	10.08	9.60	-24.7	-37.8	-44.2	0.02		
7.5	13.38	268.9	265.1	263.8	10.06	10.12	9.71	-24.5	-37.7	-43.1	-0.09		
8.0	14.90	275.3	272.6	271.0	10.11	10.15	9.77	-24.6	-37.9	-42.3	-0.10		
8.5	15.06	283.1	280.1	278.2	10.11	10.16	9.80	-24.7	-38.7	-42.0	-0.04		
9.0	14.94	291.1	287.6	285.4	10.10	10.16	9.77	-24.8	-39.1	-42.3	0.00		
9.5	14.47	298.9	294.8	292.6	10.07	10.10	9.71	-25.1	-39.4	-42.8	0.05		
10.0	14.17	306.4	301.9	300.3	10.01	9.95	9.67	-25.7	-38.9	-42.9	-0.07		
10.5	15.93	313.3	309.9	308.4	9.75	9.85	9.68	-26.7	-38.9	-41.5	-0.16		
11.0	16.53	321.1	318.1	316.5	9.49	9.81	9.72	-27.7	-39.1	-40.6	-0.11		
11.5	16.41	329.5	326.3	324.4	9.34	9.79	9.76	-28.3	-39.0	-40.2	-0.06		
12.0	16.43	338.1	334.5	332.2	9.29	9.82	9.81	-28.0	-38.8	-40.4	0.00		
12.5	15.81	346.6	342.4	339.8	9.39	9.91	9.80	-27.1	-38.3	-41.6	0.08		
13.0	14.98	354.6	349.9	347.5	9.51	9.90	9.59	-26.2	-37.9	-43.7	0.06		
13.5	16.58	362.2	358.2	356.4	9.50	9.65	9.39	-26.0	-37.8	-45.5	-0.12		
14.0	18.57	371.3	367.5	365.6	9.32	9.45	9.23	-26.0	-38.3	-47.1	-0.10		
14.5	18.66	381.0	376.8	374.7	9.04	9.23	9.04	-26.3	-38.9	-48.3	-0.05		
15.0	18.45	390.1	386.1	383.9	8.65	8.92	8.76	-27.0	-39.9	-50.2	-0.03		
15.5	18.47	398.9	395.3	393.2	8.20	8.55	8.43	-27.4	-40.4	-52.8	-0.10		
16.0	19.23	408.5	404.9	402.9	7.90	8.29	8.14	-27.0	-40.0	-57.1	-0.20		
16.5	19.99	418.7	414.9	412.9	7.71	8.10	7.90	-26.2	-39.1	-60.9	-0.31		
17.0	20.79	429.6	425.3	423.0	7.53	7.89	7.69	-26.1	-38.1	-58.0	-0.35		
17.5	20.19	440.2	435.4	432.9	7.32	7.61	7.42	-25.7	-37.1	-55.2	-0.31		
18.0	18.89	450.0	444.8	442.1	7.05	7.32	7.15	-25.5	-36.0	-53.4	-0.27		
18.5	17.34	459.0	453.5	450.5	6.73	7.01	6.86	-25.4	-35.2	-51.9	-0.21		
19.5	13.83	474.3	468.3	465.0	6.15	6.44	6.32	-25.7	-34.7	-50.3	-0.08		
20.0	12.33	480.6	474.4	471.0	5.87	6.14	6.07	-25.9	-34.8	-49.7	-0.03		