

Voltage Controlled Oscillator

ROS-EDR5105/1

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	30.44	274.4	269.6	267.5	2.08	2.15	1.50	-27.7	-39.1	-39.7	0.02	1	-79
0.5	26.72	280.9	276.3	274.2	2.89	3.08	2.42	-30.9	-38.4	-39.7	0.00	10	-102
0.8	24.14	286.9	282.3	280.3	3.50	3.75	3.11	-33.6	-37.7	-39.4	0.00	100	-121
1.0	22.49	292.5	287.9	285.9	3.99	4.28	3.64	-34.3	-37.7	-39.6	0.00	1000	-141
1.3	21.26	297.8	293.2	291.2	4.41	4.70	4.08	-33.1	-37.3	-39.7	0.02		
1.5	20.29	302.9	298.3	296.2	4.76	5.06	4.46	-31.8	-36.8	-40.2	0.04		
1.8	19.37	307.8	303.1	301.0	5.06	5.36	4.75	-31.2	-36.7	-40.3	0.07		
2.0	18.67	312.6	307.8	305.7	5.31	5.58	4.97	-30.9	-36.7	-40.7	0.08		
2.3	18.01	317.1	312.3	310.2	5.50	5.75	5.12	-31.8	-36.5	-40.5	0.07		
2.5	17.68	321.5	316.7	314.9	5.54	5.83	5.25	-32.5	-36.5	-40.4	-0.01		
2.8	18.20	325.9	321.3	319.6	5.49	5.89	5.39	-33.6	-36.5	-40.1	-0.12		
3.0	19.16	330.4	326.1	324.5	5.43	5.94	5.55	-33.8	-36.2	-39.4	-0.16		
3.3	19.33	335.2	330.9	329.3	5.44	6.10	5.74	-33.4	-36.2	-39.3	-0.15		
3.5	19.49	340.1	335.8	334.0	5.49	6.22	5.93	-32.4	-36.2	-39.2	-0.12		
3.8	19.43	345.0	340.6	338.8	5.64	6.41	6.12	-31.5	-36.1	-39.5	-0.08		
4.0	19.39	349.8	345.5	343.5	5.80	6.59	6.29	-30.8	-36.2	-40.1	-0.04		
4.3	19.35	354.8	350.3	348.3	5.97	6.78	6.45	-30.2	-36.6	-40.7	0.00		
4.5	19.30	359.7	355.1	352.9	6.15	6.97	6.58	-29.9	-36.7	-41.5	0.04		
4.8	19.28	364.6	360.0	357.6	6.31	7.11	6.68	-30.0	-37.1	-42.2	0.08		
5.0	19.15	369.5	364.8	362.3	6.44	7.25	6.77	-30.3	-37.8	-43.3	0.13		
5.3	19.05	374.4	369.5	366.9	6.57	7.35	6.82	-30.1	-38.4	-43.8	0.18		
5.5	18.66	379.2	374.2	371.5	6.62	7.40	6.83	-29.9	-38.5	-44.2	0.22		
5.8	18.64	383.8	378.8	376.1	6.48	7.29	6.73	-29.8	-38.3	-44.7	0.26		
6.0	18.66	388.4	383.5	380.7	6.24	7.17	6.55	-30.1	-38.3	-44.8	0.22		
6.3	18.68	393.2	388.2	385.6	5.96	6.93	6.35	-30.6	-38.0	-45.1	0.03		
6.5	20.36	398.4	393.3	391.1	5.72	6.69	6.20	-31.7	-38.0	-45.7	-0.18		
6.8	22.49	404.0	398.9	396.9	5.57	6.52	6.09	-33.0	-38.0	-46.3	-0.23		
7.0	23.43	409.8	404.7	402.7	5.44	6.43	6.04	-34.5	-38.0	-47.0	-0.20		