

Voltage Controlled Oscillator

ROS-ED9076/1

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	6.30	52.3	51.9	51.5	1.51	2.12	1.76	-13.0	-33.5	-52.2	0.17	1	-96
0.5	5.69	53.8	53.3	52.9	1.63	2.43	2.33	-12.7	-33.3	-53.5	0.02	10	-120
0.8	5.40	55.1	54.7	54.3	1.76	2.62	2.63	-12.8	-33.5	-54.2	0.19	100	-137
1.0	5.41	56.5	56.0	55.7	1.80	2.70	2.75	-13.2	-33.7	-52.0	0.43	1000	-159
1.3	5.28	57.8	57.3	57.0	1.70	2.72	2.80	-13.5	-33.8	-50.3	0.42		
1.5	4.89	59.1	58.6	58.2	1.68	2.61	2.71	-14.0	-34.2	-49.5	0.36		
1.8	4.56	60.2	59.7	59.4	1.66	2.60	2.70	-14.3	-34.5	-49.2	0.31		
2.0	4.30	61.3	60.8	60.4	1.64	2.57	2.70	-14.8	-34.8	-48.5	0.27		
2.3	4.08	62.3	61.8	61.5	1.60	2.54	2.67	-15.2	-35.2	-48.0	0.24		
2.5	3.91	63.3	62.8	62.4	1.46	2.40	2.65	-15.5	-35.5	-47.5	0.22		
2.8	3.80	64.2	63.7	63.4	1.42	2.36	2.51	-16.0	-35.8	-47.2	0.19		
3.0	3.69	65.1	64.6	64.3	1.39	2.32	2.47	-16.3	-36.2	-47.0	0.17		
3.3	3.61	66.1	65.5	65.2	1.34	2.27	2.42	-16.5	-36.3	-46.7	0.15		
3.5	3.56	66.9	66.4	66.1	1.28	2.27	2.38	-16.8	-36.8	-46.3	0.14		
3.8	3.49	67.8	67.3	66.9	1.18	2.16	2.32	-17.2	-37.0	-46.5	0.12		
4.0	3.44	68.7	68.2	67.8	1.11	2.04	2.20	-17.3	-37.2	-46.3	0.12		
4.3	3.38	69.5	69.0	68.6	1.06	1.98	2.14	-17.7	-37.7	-46.0	0.11		
4.5	3.38	70.4	69.9	69.5	1.00	1.91	2.07	-18.0	-38.0	-46.0	0.11		
4.8	3.34	71.2	70.7	70.3	0.93	1.85	2.00	-18.2	-38.2	-45.7	0.11		
5.0	3.32	72.0	71.5	71.1	0.86	1.77	1.93	-18.3	-38.2	-45.3	0.11		
5.3	3.28	72.9	72.3	72.0	0.90	1.70	1.85	-18.7	-38.8	-45.2	0.12		
5.5	3.23	73.7	73.1	72.8	0.82	1.72	1.88	-18.8	-38.8	-45.0	0.13		
5.8	3.20	74.5	73.9	73.6	0.75	1.65	1.80	-19.2	-39.3	-44.8	0.15		
6.0	3.14	75.3	74.7	74.4	0.66	1.57	1.71	-19.2	-39.5	-44.7	0.16		