

Voltage Controlled Oscillator

ROS-EDR5775

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	38.95	212.0	210.2	209.7	1.58	1.61	1.10	-15.8	-35.1	-47.7	-1.04	1	-82
0.5	33.97	220.5	218.7	218.2	1.71	1.78	1.36	-17.4	-35.5	-47.2	-0.78	10	-108
0.8	29.21	227.8	226.0	225.4	1.84	1.97	1.59	-18.7	-36.0	-47.1	-0.62	100	-128
1.0	26.12	234.4	232.5	232.0	1.95	2.16	1.81	-19.7	-36.2	-46.7	-0.52	1000	-147
1.3	23.92	240.3	238.5	237.9	2.10	2.34	2.02	-20.7	-36.5	-47.1	-0.44		
1.5	22.14	245.8	244.0	243.4	2.28	2.53	2.22	-21.5	-36.8	-46.4	-0.40		
1.8	20.91	251.0	249.3	248.6	2.46	2.70	2.39	-22.3	-37.0	-46.3	-0.34		
2.0	19.92	256.0	254.2	253.5	2.63	2.86	2.53	-23.1	-37.3	-45.5	-0.30		
2.3	19.16	260.8	259.0	258.2	2.79	3.00	2.65	-23.8	-37.5	-45.7	-0.26		
2.5	18.56	265.4	263.7	262.7	2.92	3.13	2.77	-24.4	-37.7	-45.0	-0.22		
2.8	18.01	270.0	268.2	267.1	3.02	3.25	2.89	-25.0	-37.8	-45.1	-0.20		
3.0	17.64	274.4	272.6	271.4	3.08	3.35	3.01	-25.5	-37.7	-45.3	-0.16		
3.3	17.32	278.7	276.9	275.6	3.09	3.42	3.11	-26.0	-38.0	-45.2	-0.12		
3.5	17.00	283.0	281.2	279.8	3.11	3.46	3.18	-26.3	-38.2	-45.6	-0.10		
3.8	16.76	287.2	285.3	283.9	3.11	3.46	3.21	-26.6	-38.3	-45.7	-0.10		
4.0	16.44	291.3	289.5	288.0	3.06	3.43	3.21	-26.9	-38.3	-46.5	-0.14		
4.3	16.13	295.3	293.5	292.1	2.98	3.34	3.17	-27.2	-38.0	-46.9	-0.18		
4.5	15.85	299.2	297.5	296.1	2.84	3.20	3.08	-27.5	-37.7	-46.6	-0.26		
4.8	15.41	303.0	301.3	300.0	2.62	3.01	2.94	-27.7	-37.6	-46.2	-0.30		
5.0	14.91	306.7	305.0	303.9	2.35	2.77	2.73	-27.9	-37.4	-45.3	-0.34		
5.3	14.22	310.3	308.6	307.6	2.05	2.51	2.53	-28.0	-37.5	-44.5	-0.36		
5.5	13.34	313.6	311.9	311.1	1.76	2.24	2.32	-28.0	-37.5	-44.0	-0.36		
5.8	12.36	316.6	315.0	314.4	1.47	1.97	2.08	-28.1	-37.5	-43.4	-0.36		
6.0	11.28	319.4	317.8	317.5	1.20	1.70	1.81	-28.1	-37.6	-42.8	-0.34		
6.3	10.19	321.9	320.4	320.3	0.94	1.45	1.55	-28.0	-37.4	-42.5	-0.30		
6.5	9.12	324.2	322.7	322.9	0.70	1.22	1.30	-27.9	-37.4	-42.0	-0.26		
6.8	8.14	326.2	324.7	325.2	0.48	1.00	1.06	-27.8	-37.1	-41.5	-0.20		
7.0	7.21	328.0	326.5	327.2	0.27	0.80	0.82	-27.7	-37.3	-41.4	-0.18		