

Voltage Controlled Oscillator

MOS-EDR8620/2A

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			
0.0	10.86	555.9	555.5	554.0	4.01	3.78	2.01	-13.42	-39.32	-35.39	0.21	1	-87
0.5	8.91	561.3	560.9	559.6	3.94	3.73	2.12	-13.37	-39.34	-34.89	0.12	10	-115
1.0	8.07	565.7	565.4	564.1	3.89	3.69	2.19	-13.66	-39.35	-34.51	0.08	100	-137
1.5	7.64	569.7	569.4	568.1	3.84	3.65	2.24	-13.62	-39.52	-34.20	0.06	1000	-157
2.0	7.46	573.6	573.2	571.9	3.80	3.62	2.27	-13.99	-39.56	-33.57	0.05		
2.5	7.42	577.3	577.0	575.6	3.75	3.57	2.29	-13.94	-39.78	-33.00	0.04		
3.0	7.49	581.0	580.7	579.2	3.70	3.52	2.30	-14.09	-39.42	-32.67	0.03		
3.5	7.64	584.8	584.4	582.9	3.64	3.47	2.30	-14.04	-39.01	-32.56	0.02		
4.0	7.85	588.7	588.2	586.6	3.57	3.41	2.29	-14.03	-38.63	-32.61	0.02		
4.5	8.11	592.6	592.2	590.5	3.49	3.34	2.27	-13.96	-38.02	-32.47	0.01		
5.0	8.39	596.7	596.2	594.4	3.41	3.27	2.24	-13.92	-37.66	-32.03	0.01		
5.5	8.67	600.9	600.4	598.6	3.33	3.20	2.21	-14.14	-37.50	-31.59	0.01		
6.0	8.94	605.3	604.7	602.8	3.24	3.12	2.16	-14.05	-37.42	-31.13	0.03		
6.5	9.17	609.8	609.2	607.2	3.17	3.06	2.11	-14.53	-37.22	-30.69	0.05		
7.0	9.36	614.4	613.8	611.8	3.11	3.02	2.07	-14.49	-36.65	-30.35	0.09		
7.5	9.49	619.1	618.5	616.4	3.07	2.99	2.05	-14.85	-35.89	-30.13	0.14		
8.0	9.57	623.8	623.2	621.2	3.04	2.98	2.04	-14.84	-35.44	-29.82	0.19		
8.5	9.59	628.6	628.0	626.0	3.01	2.96	2.03	-15.13	-35.20	-29.37	0.25		
9.5	9.52	638.1	637.6	635.6	2.96	2.91	2.01	-15.30	-35.40	-28.09	0.37		
10.0	9.45	642.8	642.4	640.3	2.93	2.88	2.00	-15.55	-35.37	-27.84	0.42		
11.0	9.23	652.1	651.7	649.8	2.86	2.81	1.97	-16.04	-34.96	-27.09	0.51		
11.5	9.08	656.7	656.4	654.4	2.82	2.76	1.94	-15.99	-34.97	-26.51	0.55		
12.5	8.76	665.7	665.4	663.4	2.74	2.66	1.88	-15.90	-34.96	-25.75	0.63		
13.0	8.58	670.0	669.7	667.8	2.70	2.61	1.85	-15.87	-34.85	-25.38	0.67		
14.0	8.17	678.5	678.2	676.3	2.62	2.51	1.79	-16.36	-34.86	-24.80	0.75		
14.5	7.95	682.6	682.3	680.4	2.59	2.46	1.76	-16.77	-35.15	-24.65	0.80		
15.5	7.45	690.5	690.1	688.3	2.53	2.38	1.71	-17.46	-35.67	-23.82	0.88		
16.0	7.19	694.3	693.9	692.0	2.50	2.34	1.68	-17.62	-35.78	-23.45	0.91		
17.0	6.64	701.4	700.9	699.1	2.43	2.27	1.62	-17.57	-35.71	-23.23	0.96		
17.5	6.36	704.8	704.2	702.4	2.41	2.24	1.60	-17.54	-35.74	-23.16	0.98		
18.5	5.81	711.1	710.5	708.5	2.37	2.20	1.56	-17.42	-35.81	-22.69	0.99		
19.0	5.54	714.0	713.4	711.4	2.35	2.19	1.55	-17.47	-36.67	-22.43	0.99		
20.0	5.04	719.6	718.8	716.7	2.33	2.17	1.52	-17.96	-37.17	-22.04	0.95		
20.5	4.77	722.1	721.3	719.2	2.33	2.17	1.51	-18.0	-37.2	-22.0	0.93		
21.5	4.30	726.9	725.9	723.7	2.33	2.18	1.51	-18.5	-37.0	-22.0	0.88		
22.0	4.30	729.1	728.1	725.8	2.34	2.19	1.51	-18.7	-36.7	-22.0	0.85		

Notes

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