

Voltage Controlled Oscillator

MOS-975-119+

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	8.49	883.83	880.01	877.18	1.71	0.69	-0.88	-27.73	-27.01	-37.24	0.10	1	-89
0.5	7.80	888.00	884.25	881.51	1.70	0.70	-0.86	-27.55	-26.95	-36.85	0.09	10	-114
1.0	7.61	891.89	888.15	885.43	1.69	0.71	-0.85	-27.44	-26.90	-36.53	0.09	100	-135
1.5	7.60	895.71	891.96	889.24	1.68	0.72	-0.84	-27.17	-26.79	-36.51	0.09	1000	-154
2.0	7.68	899.52	895.76	893.03	1.68	0.73	-0.82	-26.73	-26.69	-36.33	0.10		
2.5	7.78	903.37	899.60	896.86	1.68	0.74	-0.81	-26.42	-26.25	-36.71	0.11		
3.0	7.88	907.27	903.48	900.73	1.69	0.76	-0.80	-26.13	-26.47	-36.84	0.12		
3.5	7.97	911.21	907.42	904.66	1.69	0.77	-0.78	-25.85	-26.02	-36.70	0.14		
4.0	8.05	915.19	911.41	908.64	1.70	0.77	-0.77	-25.98	-25.97	-36.23	0.15		
4.5	8.12	919.21	915.43	912.65	1.71	0.78	-0.77	-25.77	-26.06	-36.71	0.17		
5.0	8.17	923.27	919.49	916.70	1.72	0.78	-0.77	-25.53	-25.87	-37.01	0.18		
5.5	8.22	927.35	923.58	920.78	1.73	0.77	-0.77	-25.48	-26.10	-37.02	0.20		
6.0	8.27	931.45	927.69	924.88	1.74	0.76	-0.78	-25.32	-25.96	-37.15	0.21		
6.5	8.30	935.58	931.83	929.00	1.75	0.76	-0.79	-24.83	-25.88	-37.10	0.23		
7.0	8.33	939.74	935.98	933.14	1.76	0.74	-0.80	-24.88	-25.67	-37.56	0.24		
7.5	8.34	943.91	940.14	937.29	1.76	0.73	-0.82	-24.57	-25.56	-37.19	0.26		
8.0	8.34	948.11	944.31	941.46	1.75	0.71	-0.85	-24.71	-25.60	-37.66	0.28		
8.5	8.32	952.31	948.48	945.64	1.74	0.69	-0.87	-24.53	-25.62	-38.73	0.29		
9.0	8.27	956.49	952.64	949.82	1.72	0.67	-0.90	-24.42	-25.67	-38.93	0.32		
9.5	8.20	960.64	956.78	954.00	1.70	0.65	-0.93	-24.22	-25.56	-39.47	0.34		
10.0	8.10	964.74	960.88	958.14	1.68	0.63	-0.95	-24.14	-25.54	-39.23	0.36		
10.5	7.97	968.78	964.93	962.22	1.66	0.62	-0.97	-23.97	-25.58	-38.40	0.39		
11.0	7.81	972.75	968.91	966.22	1.64	0.61	-0.98	-23.97	-25.68	-39.25	0.41		
11.5	7.63	976.64	972.82	970.13	1.62	0.61	-0.98	-23.88	-25.61	-39.41	0.43		
12.0	7.43	980.45	976.63	973.95	1.59	0.61	-0.99	-23.67	-25.70	-40.04	0.45		
12.5	7.21	984.16	980.34	977.65	1.57	0.60	-0.99	-23.82	-25.68	-40.39	0.46		
13.0	6.99	987.78	983.95	981.25	1.56	0.60	-1.00	-23.77	-25.78	-40.44	0.47		
13.5	6.76	991.29	987.44	984.73	1.55	0.60	-1.01	-23.89	-25.92	-41.13	0.48		
14.0	6.53	994.69	990.82	988.10	1.55	0.61	-1.01	-23.78	-25.81	-40.67	0.48		
14.5	6.29	997.99	994.08	991.34	1.55	0.61	-1.01	-23.92	-26.08	-42.20	0.49		
15.0	6.07	1001.18	997.23	994.47	1.55	0.62	-1.02	-23.61	-26.32	-41.74	0.48		
15.5	5.85	1004.26	1000.26	997.48	1.55	0.62	-1.02	-23.63	-26.05	-41.61	0.47		
16.0	5.85	1007.24	1003.19	1000.38	1.54	0.62	-1.03	-23.49	-26.17	-42.23	0.47		

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