

Voltage Controlled Oscillator

MOS-748-119+

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	10.99	679.53	676.76	674.17	1.03	0.72	0.12	-18.69	-37.26	-38.87	0.22	1	-92
0.5	8.97	684.78	682.26	679.92	1.00	0.70	0.13	-18.63	-37.33	-39.01	0.14	10	-116
1.0	7.97	689.15	686.74	684.49	0.96	0.67	0.13	-18.52	-38.91	-38.54	0.11	100	-137
1.5	7.39	693.07	690.73	688.52	0.92	0.64	0.12	-18.45	-39.07	-38.23	0.09	1000	-155
2.0	7.03	696.72	694.42	692.23	0.87	0.60	0.10	-18.43	-40.91	-37.91	0.08		
2.5	6.80	700.21	697.94	695.76	0.81	0.56	0.07	-18.22	-40.99	-38.13	0.07		
3.0	6.67	703.59	701.34	699.16	0.75	0.51	0.04	-18.12	-41.67	-37.14	0.07		
3.5	6.59	706.91	704.67	702.49	0.68	0.45	0.00	-18.11	-44.10	-37.82	0.06		
4.0	6.55	710.20	707.97	705.78	0.61	0.39	-0.05	-18.07	-46.28	-37.70	0.05		
4.5	6.51	713.47	711.24	709.05	0.53	0.32	-0.10	-18.03	-46.56	-37.72	0.05		
5.0	6.46	716.71	714.50	712.30	0.45	0.25	-0.16	-17.97	-48.11	-37.42	0.05		
5.5	6.41	719.93	717.73	715.53	0.37	0.17	-0.23	-17.87	-49.51	-37.47	0.04		
6.0	6.36	723.12	720.93	718.74	0.28	0.09	-0.29	-17.80	-49.46	-37.23	0.04		
6.5	6.31	726.29	724.11	721.92	0.20	0.02	-0.36	-17.70	-48.32	-37.18	0.03		
7.0	6.26	729.43	727.27	725.07	0.13	-0.05	-0.42	-17.52	-46.57	-37.29	0.03		
7.5	6.24	732.55	730.40	728.21	0.05	-0.12	-0.48	-17.52	-44.88	-36.73	0.02		
8.0	6.23	735.66	733.52	731.33	-0.02	-0.19	-0.54	-17.44	-43.97	-36.99	0.02		
8.5	6.23	738.77	736.63	734.44	-0.09	-0.26	-0.60	-17.42	-43.24	-35.96	0.01		
9.0	6.25	741.87	739.75	737.56	-0.15	-0.32	-0.65	-17.44	-43.28	-35.92	0.01		
9.5	6.27	744.98	742.87	740.68	-0.21	-0.38	-0.71	-17.43	-42.18	-35.38	0.01		
10.0	6.30	748.10	746.01	743.82	-0.27	-0.44	-0.76	-17.52	-41.28	-35.30	0.01		
10.5	6.33	751.24	749.16	746.97	-0.33	-0.50	-0.82	-17.58	-40.26	-35.31	0.01		
11.0	6.34	754.38	752.32	750.13	-0.38	-0.55	-0.87	-17.47	-39.82	-34.63	0.01		
11.5	6.34	757.54	755.49	753.31	-0.43	-0.60	-0.91	-17.44	-38.51	-34.36	0.02		
12.0	6.31	760.69	758.66	756.49	-0.48	-0.65	-0.96	-17.47	-38.09	-33.80	0.03		
12.5	6.23	763.82	761.81	759.65	-0.53	-0.70	-1.01	-17.43	-37.87	-34.01	0.05		
13.0	6.09	766.92	764.93	762.78	-0.58	-0.75	-1.06	-17.35	-37.15	-34.11	0.08		
13.5	5.88	769.94	767.97	765.83	-0.63	-0.81	-1.11	-17.38	-37.23	-33.72	0.12		
14.0	5.60	772.86	770.92	768.78	-0.67	-0.85	-1.15	-17.33	-36.73	-33.42	0.17		
14.5	5.26	775.65	773.72	771.59	-0.72	-0.90	-1.20	-17.42	-36.79	-32.90	0.22		
15.0	4.87	778.27	776.35	774.22	-0.76	-0.94	-1.24	-17.45	-36.36	-32.93	0.26		
15.5	4.45	780.71	778.78	776.65	-0.79	-0.98	-1.28	-17.44	-36.16	-32.52	0.29		
16.0	4.45	782.94	781.01	778.87	-0.82	-1.01	-1.31	-17.40	-35.70	-32.55	0.30		