

Voltage Controlled Oscillator

POS-ED8475/1

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			
0.5	2.91	20.1	19.1	18.5	6.89	7.34	7.34	-17.3	-31.6	-37.6	0.01	1	-85
1.0	2.37	21.2	20.3	19.8	7.36	8.06	8.18	-18.3	-31.5	-37.6	0.02	10	-105
1.5	2.20	22.5	21.4	20.9	7.86	8.81	9.08	-18.9	-31.0	-37.8	0.08	100	-125
2.0	2.24	23.6	22.6	22.0	8.36	9.40	9.69	-19.4	-30.5	-37.9	0.03	1000	-145
2.5	1.95	24.5	23.5	23.0	8.66	9.44	9.65	-19.2	-30.4	-37.3	0.01		
3.0	1.81	25.4	24.4	23.9	8.62	9.37	9.58	-19.2	-30.2	-36.9	0.00		
3.5	1.73	26.2	25.3	24.7	8.56	9.28	9.48	-19.1	-29.8	-36.6	0.01		
4.0	1.68	27.0	26.1	25.5	8.49	9.18	9.37	-19.2	-29.4	-36.3	0.02		
4.5	1.66	27.8	27.0	26.3	8.41	9.07	9.26	-19.2	-29.0	-36.1	0.03		
5.0	1.65	28.6	27.8	27.2	8.31	8.95	9.14	-19.2	-28.5	-36.0	0.04		
5.5	1.66	29.4	28.6	28.0	8.21	8.83	9.01	-19.2	-28.1	-35.8	0.04		
6.0	1.67	30.2	29.5	28.8	8.11	8.70	8.88	-19.1	-27.6	-35.7	0.05		
6.5	1.70	31.0	30.3	29.6	7.99	8.56	8.74	-19.1	-27.2	-35.8	0.06		
7.0	1.72	31.8	31.2	30.5	7.87	8.43	8.60	-19.1	-26.8	-35.7	0.06		
7.5	1.74	32.7	32.0	31.3	7.76	8.29	8.45	-19.1	-26.4	-35.6	0.06		
8.0	1.76	33.5	32.9	32.2	7.63	8.16	8.31	-19.2	-26.1	-35.6	0.06		
8.5	1.76	34.4	33.8	33.1	7.51	8.02	8.17	-19.2	-25.8	-35.7	0.07		
9.0	1.78	35.3	34.7	34.0	7.38	7.88	8.02	-19.3	-25.5	-35.8	0.07		
9.5	1.78	36.2	35.6	34.9	7.25	7.74	7.87	-19.3	-25.2	-35.9	0.07		
10.0	1.78	37.1	36.5	35.8	7.11	7.60	7.72	-19.5	-24.9	-35.9	0.07		
10.5	1.78	38.1	37.4	36.7	6.98	7.45	7.56	-19.6	-24.7	-36.1	0.07		
11.0	1.79	39.0	38.2	37.6	6.84	7.32	7.42	-19.7	-24.5	-36.4	0.06		
11.5	1.80	40.0	39.1	38.5	6.70	7.17	7.26	-19.8	-24.3	-36.7	0.06		
12.0	1.82	41.0	40.1	39.4	6.56	7.02	7.10	-20.3	-24.2	-36.3	0.06		
12.5	1.85	42.0	41.0	40.3	6.40	6.87	6.94	-20.3	-24.1	-36.7	0.06		
13.0	1.89	43.0	41.9	41.3	6.27	6.72	6.77	-20.5	-23.9	-37.0	0.06		
13.5	1.92	44.1	42.9	42.2	6.10	6.58	6.61	-20.7	-23.8	-37.3	0.05		
14.0	1.96	45.2	43.9	43.2	5.94	6.42	6.46	-20.8	-23.7	-38.0	0.04		
14.5	1.98	46.2	44.9	44.2	5.79	6.25	6.29	-21.0	-23.6	-38.8	0.02		
15.0	1.98	47.3	45.9	45.1	5.63	6.10	6.13	-21.2	-23.5	-39.4	0.00		
15.5	1.98	48.4	46.8	46.1	5.49	5.93	5.97	-21.4	-23.5	-40.0	0.02		
16.0	1.97	49.5	47.8	47.1	5.34	5.80	5.81	-21.6	-23.4	-40.9	0.05		
16.5	1.96	50.6	48.8	48.0	5.19	5.65	5.67	-21.9	-23.4	-41.6	0.08		
17.0	1.93	51.6	49.8	49.0	5.02	5.51	5.52	-22.1	-23.4	-42.7	0.11		
17.5	1.88	52.7	50.7	49.9	4.90	5.36	5.38	-22.3	-23.5	-43.5	0.14		
18.0	1.83	53.7	51.6	50.8	4.77	5.23	5.23	-22.4	-23.3	-44.2	0.18		
18.5	1.77	54.6	52.5	51.7	4.64	5.09	5.08	-22.5	-23.4	-45.8	0.21		
19.0	1.70	55.5	53.4	52.5	4.52	4.96	4.95	-22.8	-23.4	-46.8	0.23		
19.5	1.63	56.4	54.2	53.3	4.41	4.84	4.84	-23.0	-23.5	-47.7	0.26		
20.0	1.56	57.2	55.0	54.1	4.30	4.73	4.72	-23.2	-23.6	-48.6	0.28		