

Voltage Controlled Oscillator

POSA-EDR4384

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			
0.50	0.80	5.9	5.4	5.1	6.29	7.25	7.31	-27.2	-35.4	-42.6	0.06	1	-97
1.00	0.60	6.2	5.7	5.4	6.95	8.29	8.67	-28.8	-34.9	-41.4	0.06	10	-116
1.50	0.60	6.5	6.0	5.7	7.20	8.61	9.09	-32.1	-33.9	-39.9	0.06	100	-133
2.00	0.70	6.9	6.3	6.0	7.21	8.77	9.32	-34.4	-33.1	-38.5	0.06	1000	-144
2.50	0.80	7.4	6.7	6.3	7.06	8.79	9.45	-38.2	-32.1	-37.1	0.06		
3.00	0.80	7.9	7.1	6.8	6.84	8.70	9.47	-54.6	-30.7	-35.8	0.06		
3.50	1.00	8.5	7.6	7.2	6.62	8.52	9.41	-36.0	-29.1	-35.3	0.03		
4.00	1.00	9.0	8.1	7.7	6.42	8.25	9.22	-27.9	-28.0	-35.4	0.03		
4.50	1.10	9.5	8.6	8.3	6.40	7.86	8.91	-23.5	-27.9	-35.3	0.03		
5.00	1.30	10.2	9.3	8.9	6.65	7.36	8.53	-21.3	-28.1	-35.1	0.13		
5.50	1.30	10.8	9.9	9.5	6.82	6.98	8.28	-20.6	-28.7	-35.3	0.06		
6.00	1.20	11.5	10.5	10.1	6.69	6.86	8.01	-21.0	-29.5	-35.8	0.06		
6.50	1.40	12.2	11.2	10.7	6.31	6.74	7.49	-21.5	-30.1	-36.2	0.06		
7.00	1.20	12.8	11.8	11.3	5.83	6.37	6.83	-21.2	-29.9	-35.8	0.06		
7.50	1.10	13.4	12.4	11.8	5.29	5.83	6.15	-20.2	-29.4	-35.5	0.06		
8.00	1.00	14.0	12.9	12.4	4.71	5.23	5.49	-19.3	-29.0	-35.2	0.06		
8.50	0.90	14.5	13.3	12.8	4.08	4.64	4.88	-18.6	-28.8	-35.0	0.10		
9.00	1.00	15.0	13.8	13.3	3.47	4.05	4.30	-18.1	-28.5	-34.7	0.03		
9.50	0.80	15.4	14.2	13.7	2.92	3.50	3.76	-17.7	-28.1	-34.7	0.06		
10.00	0.90	15.7	14.7	14.0	2.45	2.98	3.26	-17.3	-27.8	-34.7	0.06		
10.50	0.60	16.1	15.0	14.4	2.04	2.49	2.80	-17.0	-27.5	-34.7	0.13		
11.00	0.70	16.3	15.3	14.7	1.66	2.04	2.37	-16.8	-27.2	-34.7	0.10		
11.50	0.70	16.7	15.7	15.0	1.26	1.64	1.97	-16.5	-27.0	-34.8	0.10		
12.00	0.60	17.1	16.0	15.3	0.79	1.27	1.60	-16.4	-26.8	-34.8	0.10		