

Voltage Controlled Oscillator

POS-ED5634B/2

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			
1.0	67.90	459.2	449.2	443.7	5.92	6.06	4.89	-25.3	-37.7	-42.6	0.14	1	-72
2.0	48.50	508.4	497.6	492.3	6.48	6.84	5.58	-26.9	-37.3	-43.4	0.02	10	-93
3.0	42.90	551.7	540.5	534.7	6.56	7.10	6.32	-26.4	-37.2	-45.2	0.16	100	-113
4.0	40.30	593.1	580.8	574.4	7.06	7.64	6.91	-25.7	-38.4	-41.0	0.32	1000	-133
5.0	38.60	632.1	619.5	612.6	7.73	8.45	7.76	-26.5	-41.5	-39.1	0.73		
6.0	36.90	669.0	656.3	649.9	8.36	9.19	8.44	-33.5	-38.9	-42.3	0.90		
7.0	37.80	706.9	694.1	688.0	8.59	9.53	8.91	-36.8	-39.6	-45.3	0.97		
8.0	39.60	746.8	733.7	727.5	8.83	9.58	8.81	-32.1	-41.5	-49.3	1.06		
9.0	40.60	787.3	774.3	767.9	8.43	9.47	8.77	-29.8	-41.9	-52.2	1.13		
10.0	40.50	827.2	814.8	808.3	8.20	9.13	8.27	-28.9	-41.3	-54.4	1.09		
11.0	40.20	865.8	855.0	849.4	7.43	8.57	7.63	-28.1	-40.5	-48.7	1.16		
12.0	40.20	911.5	895.2	895.2	6.81	7.94	6.69	-28.0	-41.7	-44.5	1.21		
13.0	45.30	961.4	940.5	945.0	6.08	7.14	5.96	-27.1	-43.6	-40.3	1.20		
14.0	43.50	1002.6	984.0	989.0	5.96	6.88	5.86	-26.0	-41.5	-41.5	1.17		
15.0	40.10	1042.7	1024.1	1029.5	5.00	6.45	5.03	-25.4	-40.6	-42.5	1.20		
16.0	37.60	1081.0	1061.6	1066.1	4.67	5.75	4.60	-24.9	-39.1	-42.8	1.34		
17.0	34.30	1115.5	1095.9	1098.7	3.59	5.37	4.14	-24.5	-38.3	-45.9	1.52		
18.0	30.30	1145.7	1126.2	1127.3	3.26	4.45	3.26	-24.0	-36.4	-48.8	1.70		
19.0	26.40	1171.6	1152.5	1152.2	3.01	4.16	3.02	-24.0	-36.0	-48.6	1.87		
20.0	22.90	1194.0	1175.4	1173.8	2.32	3.95	2.77	-24.0	-34.9	-44.1	1.99		
21.0	20.00	1213.5	1195.4	1192.9	1.65	3.18	2.31	-23.9	-33.5	-40.5			
22.0	17.50	1230.4	1212.9	1210.1	1.58	2.59	1.59	-24.3	-31.6	-38.2			