

Voltage Controlled Oscillator

POS-EDR6570

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	63.12	421.1	414.5	409.5	7.02	6.85	6.06	-22.1	-37.9	-39.7	-1.01	1	-71
1.0	53.69	453.6	446.1	440.4	6.78	6.96	6.45	-22.8	-40.9	-40.4	-0.44	10	-93
1.5	49.25	480.7	472.9	466.7	6.86	7.15	6.74	-23.8	-42.4	-40.8	-0.22	100	-113
2.0	47.14	505.6	497.5	490.8	6.99	7.30	6.96	-24.3	-41.7	-41.1	-0.10	1000	-133
2.5	46.84	529.7	521.1	513.8	7.12	7.44	7.11	-24.6	-41.1	-43.3	-0.03		
3.0	46.49	553.5	544.5	536.4	7.23	7.57	7.19	-25.8	-39.2	-46.8	0.02		
3.5	46.57	577.1	567.8	558.9	7.37	7.65	7.27	-25.9	-37.8	-49.1	0.10		
4.0	46.48	600.7	591.1	581.3	7.58	7.80	7.38	-28.2	-36.4	-46.7	0.22		
4.5	46.75	624.2	614.3	603.5	7.77	7.94	7.52	-29.8	-35.0	-41.0	0.34		
5.0	45.33	648.3	637.7	625.7	8.07	8.20	7.65	-35.0	-34.2	-37.0	0.48		
5.5	44.46	671.5	660.3	647.7	8.41	8.55	7.84	-38.2	-34.2	-37.0	0.65		
6.0	43.86	693.8	682.6	669.4	8.58	8.78	8.01	-37.5	-36.2	-37.7	0.76		
6.5	44.10	715.7	704.5	691.0	8.69	8.87	8.11	-34.6	-37.6	-39.5	0.82		
7.0	43.55	737.8	726.6	712.6	8.66	8.98	8.15	-31.9	-39.4	-41.1	0.88		
7.5	43.87	759.8	748.3	734.2	8.57	8.89	8.14	-30.8	-41.0	-43.2	0.97		
8.0	43.06	781.7	770.3	755.8	8.53	8.86	8.09	-28.9	-42.8	-47.0	1.00		
8.5	42.67	803.4	791.8	777.5	8.43	8.85	8.08	-28.4	-41.9	-51.4	1.02		
9.0	41.85	824.9	813.1	798.9	8.27	8.70	8.07	-27.1	-40.8	-55.7	1.05		
9.5	41.10	846.1	834.1	819.8	8.04	8.49	7.94	-26.5	-38.2	-52.2	1.11		
10.0	39.73	866.7	854.6	840.4	7.82	8.41	7.77	-25.4	-36.3	-47.9	1.15		
10.5	38.85	886.8	874.5	860.3	7.68	8.33	7.59	-25.1	-34.2	-45.0	1.24		
11.0	38.54	906.4	893.9	880.0	7.60	8.18	7.44	-24.0	-32.4	-42.8	1.27		
11.5	38.53	925.8	913.2	899.0	7.62	8.09	7.26	-23.7	-31.9	-41.7	1.39		
12.0	38.51	945.4	932.4	918.1	7.43	7.98	7.15	-23.2	-32.1	-40.7	1.31		
12.5	37.46	964.6	951.7	936.9	7.13	7.69	6.95	-22.8	-33.2	-41.4	1.47		
13.0	35.81	983.0	970.4	956.1	6.93	7.40	6.69	-22.4	-33.9	-41.0	1.42		
13.5	34.86	1000.8	988.3	974.2	6.77	7.18	6.49	-22.3	-34.5	-40.9	1.49		
14.0	32.88	1017.6	1005.8	992.0	6.62	7.01	6.38	-22.2	-35.7	-39.7	1.39		
14.5	31.76	1033.7	1022.2	1008.9	6.37	6.78	6.25	-22.0	-37.7	-39.6	1.42		
15.0	30.38	1049.3	1038.1	1025.2	6.01	6.51	6.07	-21.8	-38.7	-40.1	1.48		
15.5	29.98	1064.3	1053.3	1040.8	5.69	6.19	5.80	-21.2	-39.2	-40.5	1.36		
16.0	28.69	1078.8	1068.3	1055.6	5.44	5.87	5.42	-21.2	-41.1	-39.9	1.38		
16.5	27.45	1092.7	1082.6	1070.4	5.28	5.68	5.11	-21.2	-40.9	-41.1	1.36		
17.0	27.51	1106.3	1096.3	1084.5	5.15	5.47	4.90	-21.0	-39.3	-41.9	1.37		
17.5	26.09	1119.6	1110.1	1098.1	4.99	5.24	4.73	-20.9	-40.2	-42.4	1.41		
18.0	26.09	1132.3	1123.1	1111.6	4.78	4.97	4.57	-20.8	-37.2	-43.0	1.41		