

Voltage Controlled Oscillator

ZOS-ED10431/1

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			
0.3	26.70	1240.3	1219.3	1209.1	10.59	9.53	8.40	-39.6	-35.8	-50.5	1.71	1	-74
0.6	22.60	1246.7	1226.0	1216.7	10.47	9.36	8.17	-39.1	-37.5	-51.7	1.68	10	-99
0.9	20.93	1253.0	1232.3	1223.2	10.33	9.26	7.98	-40.1	-37.0	-52.1	1.67	100	-120
1.2	20.17	1259.0	1238.4	1229.3	10.26	9.15	7.83	-40.1	-39.6	-52.0	1.68		
1.5	19.60	1264.9	1244.3	1235.2	10.17	9.06	7.70	-40.2	-40.7	-53.8	1.70		
1.8	19.33	1270.5	1250.1	1241.0	10.05	8.97	7.62	-39.9	-42.1	-52.9	1.68		
2.1	19.10	1276.2	1255.8	1246.8	9.92	8.86	7.49	-39.9	-43.1	-55.2	1.69		
2.4	18.97	1281.7	1261.5	1252.5	9.89	8.79	7.36	-40.0	-43.8	-54.4	1.68		
2.7	19.00	1287.3	1267.2	1258.3	9.80	8.70	7.26	-40.2	-46.5	-54.3	1.67		
3.0	19.17	1292.9	1272.9	1264.1	9.70	8.61	7.16	-40.1	-49.8	-54.9	1.66		
3.3	19.27	1298.6	1278.7	1269.9	9.56	8.52	7.05	-39.8	-49.2	-55.2	1.65		
3.6	19.50	1304.9	1284.6	1275.9	9.44	8.44	6.94	-39.9	-46.8	-57.1	1.62		
3.9	19.80	1311.3	1290.5	1281.9	9.42	8.34	6.91	-40.8	-43.8	-56.9	1.64		
4.2	20.77	1317.5	1296.7	1288.1	9.51	8.19	6.84	-41.0	-40.9	-53.8	1.72		
4.5	22.67	1323.7	1303.5	1294.5	9.60	8.10	6.66	-40.9	-38.5	-48.9	1.78		
4.8	22.53	1330.2	1310.3	1301.1	9.54	7.99	6.51	-41.7	-37.1	-48.0	1.68		
5.1	22.47	1336.8	1317.0	1308.3	9.44	7.98	6.47	-41.9	-36.3	-46.9	1.64		
5.4	23.00	1343.5	1323.9	1315.5	9.36	8.12	6.51	-42.1	-37.3	-47.7	1.67		
5.7	23.93	1350.4	1331.1	1322.7	9.17	8.09	6.62	-41.0	-36.8	-46.9	1.63		
6.0	24.57	1357.3	1338.5	1330.1	9.04	8.03	6.58	-40.0	-36.7	-48.2	1.61		
6.3	25.10	1364.3	1346.0	1337.7	8.83	7.92	6.49	-38.9	-36.2	-49.7	1.58		
6.6	25.57	1371.6	1353.7	1345.6	8.59	7.70	6.37	-38.8	-36.1	-50.0	1.53		
6.9	25.67	1381.6	1361.4	1353.6	8.24	7.54	6.20	-38.1	-35.7	-47.8	1.48		
7.2	28.33	1390.2	1369.9	1361.7	7.98	7.30	6.04	-37.9	-35.9	-45.5	1.80		
7.5	31.47	1398.4	1379.3	1370.0	7.76	6.97	5.82	-36.7	-35.2	-44.3	1.54		
7.8	28.60	1406.8	1387.9	1378.7	7.46	6.69	5.53	-37.1	-34.6	-44.9	1.42		
8.1	28.43	1415.4	1396.4	1388.4	7.13	6.57	5.24	-37.5	-33.6	-45.0	1.38		
8.4	29.23	1424.2	1405.2	1397.2	6.76	6.34	5.15	-37.8	-34.8	-44.3	1.36		
8.7	29.50	1433.3	1414.0	1406.0	6.43	6.07	4.89	-37.0	-34.7	-44.3	1.30		
9.0	30.03	1442.7	1423.1	1415.0	6.21	5.79	4.64	-37.9	-35.0	-43.8	1.22		
9.3	30.00	1451.9	1432.1	1424.0	5.99	5.52	4.38	-37.7	-32.7	-43.6	1.17		
9.6	30.53	1460.9	1441.2	1433.1	5.76	5.39	4.18	-37.7	-33.5	-43.0	1.13		
9.9	30.90	1469.9	1450.5	1442.4	5.53	5.40	4.04	-38.7	-32.6	-43.4	1.03		
10.2	30.37	1478.9	1459.6	1451.7	5.38	5.26	3.99	-38.9	-33.0	-42.0	0.95		
10.5	30.37	1487.9	1468.7	1460.8	5.35	5.09	3.92	-38.9	-31.6	-41.2	0.87		
10.8	30.43	1497.0	1477.8	1469.9	5.23	4.93	3.80	-42.0	-31.6	-38.9	0.78		
11.1	30.63	1506.0	1487.0	1479.1	5.04	4.80	3.73	-41.1	-30.9	-36.5	0.71		
11.4	30.87	1515.1	1496.3	1488.5	4.95	4.85	3.71	-43.2	-30.0	-34.0	0.66		
11.7	31.40	1524.3	1505.7	1498.0	5.06	4.71	3.66	-40.5	-29.2	-38.5	0.62		
12.0	31.87	1533.6	1515.3	1507.6	4.85	4.54	3.51	-41.0	-28.9	-42.3	0.58		