

Voltage Controlled Oscillator

ROS-ED10525/1

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			
0.1	24.13	1360.5	1357.0	1355.8	0.37	0.47	0.30	-26.9	-22.4	-41.0	0.00	1	-84
0.3	22.76	1363.4	1359.8	1358.5	0.30	0.64	0.49	-26.6	-22.6	-41.1	0.07	10	-106
0.4	21.62	1366.3	1362.5	1361.1	0.31	0.66	0.57	-26.6	-22.7	-41.1	0.10	100	-126
0.5	20.65	1368.9	1365.1	1363.5	0.36	0.72	0.60	-26.6	-23.2	-41.2	0.17	1000	-142
0.6	19.88	1371.5	1367.6	1365.9	0.40	0.81	0.67	-26.5	-23.3	-41.6	0.17		
0.8	19.34	1374.1	1370.0	1368.2	0.49	0.88	0.76	-26.4	-24.1	-41.0	0.17		
0.9	19.02	1376.5	1372.4	1370.5	0.55	0.95	0.81	-26.8	-24.5	-41.3	0.17		
1.0	18.86	1378.9	1374.7	1372.8	0.64	1.05	0.92	-27.1	-24.9	-41.8	0.17		
1.1	18.94	1381.3	1377.1	1375.0	0.68	1.09	0.98	-27.6	-25.5	-40.9	0.17		
1.3	18.98	1383.8	1379.5	1377.3	0.77	1.16	1.02	-27.6	-26.0	-41.6	0.21		
1.4	19.36	1386.3	1381.9	1379.5	0.77	1.17	1.10	-27.6	-26.6	-41.5	0.21		
1.5	19.50	1388.8	1384.3	1381.8	0.80	1.26	1.12	-27.7	-27.0	-42.0	0.24		
1.6	19.78	1391.4	1386.8	1384.2	0.77	1.26	1.21	-27.7	-27.7	-42.2	0.29		
1.8	19.94	1394.0	1389.3	1386.5	0.84	1.31	1.24	-27.3	-27.7	-41.6	0.34		
1.9	20.10	1396.5	1391.8	1388.9	0.85	1.32	1.30	-27.3	-27.9	-43.0	0.39		
2.0	20.34	1399.1	1394.4	1391.3	0.93	1.40	1.33	-27.2	-28.5	-41.6	0.42		
2.1	20.12	1401.8	1396.9	1393.7	0.91	1.42	1.42	-27.1	-28.6	-42.0	0.47		
2.3	20.16	1404.5	1399.4	1396.2	0.97	1.51	1.45	-27.0	-28.9	-42.5	0.47		
2.4	20.46	1407.2	1402.0	1398.6	0.97	1.54	1.54	-26.9	-29.3	-42.3	0.52		
2.5	20.66	1409.9	1404.5	1401.1	1.01	1.63	1.58	-26.6	-29.6	-43.2	0.54		
2.6	20.84	1412.7	1407.1	1403.6	1.07	1.67	1.68	-26.5	-29.6	-43.0	0.59		
2.8	20.94	1415.4	1409.8	1406.1	1.07	1.74	1.72	-26.2	-29.7	-42.8	0.59		
2.9	21.40	1418.3	1412.4	1408.6	1.03	1.77	1.80	-26.1	-29.8	-42.8	0.63		
3.0	21.44	1421.0	1415.1	1411.1	1.05	1.86	1.85	-25.8	-29.9	-42.5	0.66		
3.1	21.70	1423.8	1417.8	1413.7	1.18	1.84	1.96	-25.5	-30.0	-42.4	0.68		
3.3	21.86	1426.7	1420.6	1416.3	1.22	1.87	2.00	-25.1	-29.9	-42.9	0.70		
3.4	21.91	1429.5	1423.3	1418.9	1.26	2.01	2.00	-24.9	-30.1	-42.9	0.70		
3.5	22.17	1432.4	1426.1	1421.6	1.28	2.05	2.04	-24.7	-30.4	-42.9	0.74		
3.6	22.08	1435.2	1428.8	1424.2	1.29	2.11	2.17	-24.6	-30.6	-42.4	0.74		
3.8	21.98	1438.1	1431.6	1426.9	1.31	2.14	2.21	-24.4	-30.8	-42.9	0.72		
3.9	22.23	1441.0	1434.4	1429.6	1.33	2.17	2.27	-24.3	-30.4	-42.9	0.76		
4.0	22.30	1443.9	1437.1	1432.3	1.28	2.20	2.30	-24.1	-30.5	-42.3	0.76		
4.1	22.46	1446.8	1440.0	1435.0	1.30	2.23	2.32	-23.9	-30.7	-42.7	0.76		
4.3	22.32	1449.7	1442.7	1437.7	1.34	2.19	2.36	-23.9	-30.2	-42.3	0.76		
4.4	22.37	1452.5	1445.5	1440.4	1.32	2.22	2.40	-23.7	-30.2	-42.3	0.79		
4.5	22.40	1455.4	1448.3	1443.1	1.36	2.27	2.36	-23.8	-30.6	-42.0	0.83		
4.6	22.19	1458.3	1451.1	1445.8	1.34	2.30	2.39	-23.9	-30.7	-42.2	0.81		
4.8	22.22	1461.1	1453.9	1448.5	1.38	2.29	2.43	-23.9	-30.9	-42.2	0.83		
4.9	21.82	1463.9	1456.6	1451.2	1.37	2.33	2.46	-23.8	-30.6	-42.4	0.86		
5.0	21.90	1466.7	1459.4	1453.8	1.42	2.32	2.45	-23.9	-31.0	-41.6	0.83		
5.1	21.56	1469.5	1462.1	1456.5	1.41	2.37	2.49	-23.9	-31.1	-42.4	0.85		
5.3	21.48	1472.2	1464.7	1459.1	1.47	2.36	2.48	-23.8	-31.5	-42.0	0.89		
5.4	21.54	1475.0	1467.4	1461.7	1.47	2.42	2.52	-23.9	-31.5	-42.1	0.90		
5.5	21.26	1477.7	1470.1	1464.3	1.48	2.41	2.51	-23.9	-31.4	-42.5	0.89		
5.6	21.08	1480.4	1472.7	1466.9	1.54	2.40	2.56	-23.9	-31.6	-42.1	0.89		
5.8	20.79	1483.0	1475.3	1469.4	1.53	2.46	2.54	-23.9	-31.7	-42.1	0.92		
5.9	20.78	1485.7	1477.9	1471.9	1.60	2.46	2.59	-24.0	-31.7	-42.5	0.90		
6.0	20.59	1488.27	1480.49	1474.46	1.61	2.52	2.58	-24.1	-32.4	-42.7	0.93		