

Voltage Controlled Oscillator

ROS-EDR9676

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			
0.0	52.37	848.18	839.14	832.03	11.89	11.78	11.33	-12.30	-13.10	-24.62	2.39	1	-80
0.5	40.70	872.91	865.32	859.82	11.69	11.67	11.39	-12.85	-12.32	-27.07	1.85	10	-107
1.0	36.94	892.91	885.67	880.27	11.59	11.58	11.29	-13.22	-12.02	-28.31	1.14	100	-129
1.5	35.39	911.16	904.14	898.99	11.55	11.46	11.20	-14.18	-11.81	-30.74	0.89	1000	-149
2.0	34.61	928.46	921.83	917.10	11.51	11.35	11.14	-15.26	-11.34	-32.30	0.72		
2.5	34.85	945.26	939.14	934.72	11.46	11.22	11.05	-16.03	-11.25	-35.60	0.60		
3.0	35.22	962.17	956.56	952.22	11.40	11.14	10.98	-16.60	-11.22	-38.89	0.50		
3.5	35.32	979.37	974.18	969.85	11.33	11.06	10.90	-16.90	-11.56	-42.65	0.45		
4.0	35.15	996.76	991.84	987.57	11.21	10.92	10.77	-17.45	-11.71	-47.34	0.43		
4.5	35.19	1014.28	1009.41	1005.20	11.11	10.80	10.63	-17.20	-12.19	-52.85	0.42		
5.0	35.37	1031.90	1027.01	1022.76	11.06	10.75	10.55	-17.28	-12.57	-63.68	0.41		
5.5	35.54	1049.67	1044.69	1040.34	10.96	10.65	10.48	-16.92	-13.10	-51.70	0.41		
6.0	35.64	1067.61	1062.46	1058.05	10.84	10.56	10.37	-16.89	-13.71	-44.98	0.41		
6.5	35.63	1085.55	1080.28	1075.79	10.74	10.45	10.25	-16.67	-14.60	-41.66	0.42		
7.0	35.49	1103.45	1098.10	1093.51	10.62	10.35	10.17	-16.75	-15.49	-39.25	0.43		
7.5	35.33	1121.33	1115.85	1111.17	10.51	10.24	10.05	-16.68	-16.22	-38.42	0.45		
8.0	35.16	1139.15	1133.51	1128.72	10.40	10.13	9.95	-16.82	-17.50	-37.86	0.47		
8.5	35.19	1156.98	1151.09	1146.17	10.31	10.05	9.86	-16.90	-18.71	-37.08	0.51		
9.0	34.94	1174.76	1168.68	1163.63	10.21	9.97	9.78	-17.01	-19.82	-35.81	0.55		
9.5	34.65	1192.37	1186.15	1181.02	10.13	9.89	9.70	-17.38	-21.30	-34.57	0.60		
10.0	34.32	1209.87	1203.48	1198.24	10.04	9.83	9.63	-17.66	-22.73	-34.07	0.67		
10.5	33.47	1227.09	1220.64	1215.33	9.92	9.73	9.55	-18.04	-23.85	-33.22	0.74		
11.0	32.76	1243.87	1237.37	1232.12	9.84	9.64	9.46	-17.95	-26.81	-33.00	0.81		
11.5	32.41	1260.36	1253.75	1248.45	9.79	9.57	9.36	-18.46	-26.84	-32.66	0.87		
12.0	32.13	1276.77	1269.96	1264.53	9.74	9.53	9.33	-18.62	-29.51	-32.63	0.93		
12.5	31.39	1292.95	1286.02	1280.51	9.67	9.48	9.26	-18.83	-31.24	-32.40	1.00		
13.0	30.34	1308.66	1301.72	1296.22	9.57	9.41	9.20	-19.22	-34.01	-31.90	1.05		
13.5	29.20	1323.79	1316.89	1311.41	9.53	9.34	9.11	-19.36	-35.64	-31.78	1.09		
14.0	28.14	1338.41	1331.49	1326.01	9.48	9.28	9.08	-19.43	-36.34	-31.95	1.13		
15.0	26.67	1366.43	1359.24	1353.64	9.46	9.24	9.00	-19.69	-42.42	-32.44	1.17		
15.5	25.93	1379.99	1372.57	1366.86	9.44	9.22	8.97	-19.87	-47.78	-32.44	1.22		
16.5	23.38	1405.45	1397.93	1392.10	9.39	9.18	8.91	-19.82	-47.51	-32.39	1.27		
17.0	21.99	1417.10	1409.62	1403.82	9.36	9.16	8.88	-20.06	-45.55	-32.56	1.30		
18.0	19.52	1438.60	1430.93	1425.13	9.34	9.12	8.81	-20.16	-43.05	-32.80	1.38		
18.5	18.34	1448.50	1440.69	1434.80	9.33	9.11	8.80	-20.11	-40.72	-33.61	1.41		
19.5	15.89	1466.55	1458.43	1452.37	9.30	9.07	8.73	-20.31	-40.04	-33.78	1.44		
20.0	15.89	1474.68	1466.38	1460.24	9.30	9.05	8.69	-20.35	-40.20	-33.85	1.42		

Notes

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