

Voltage Controlled Oscillator

ROSA-ED9286A/3

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			
0.4	116.74	1075.1	1050.6	1033.1	10.22	9.65	9.65	-9.5	-21.0	-34.5	0.54	1	-69
0.8	111.54	1120.3	1095.3	1078.5	10.70	9.78	9.76	-11.1	-21.7	-36.8	0.71	10	-94
1.2	109.16	1162.9	1138.9	1122.3	10.18	9.80	10.22	-11.4	-23.2	-46.3	1.22	100	-114
1.6	99.46	1201.9	1178.7	1163.5	9.84	9.39	9.73	-12.4	-24.0	-52.0	1.33	1000	-134
2.0	96.74	1240.0	1217.4	1203.5	10.12	9.43	9.60	-13.7	-24.7	-49.6	1.30		
2.4	96.54	1278.2	1256.0	1243.2	10.20	9.74	10.12	-14.9	-26.7	-42.7	1.30		
2.8	98.43	1317.2	1295.4	1283.4	9.97	9.83	10.20	-16.7	-28.0	-40.5	1.27		
3.2	101.00	1357.2	1335.8	1324.5	9.69	9.37	9.88	-18.3	-29.0	-38.9	1.22		
3.6	103.57	1398.3	1377.2	1366.3	9.98	9.37	9.78	-19.2	-30.3	-37.7	1.11		
4.0	106.65	1440.3	1419.9	1409.0	10.27	9.88	10.26	-20.0	-32.8	-36.2	0.93		
4.4	109.07	1483.3	1463.5	1452.2	9.89	9.80	10.34	-19.8	-36.8	-33.0	0.68		
4.8	110.64	1527.1	1507.8	1495.9	9.85	9.65	10.02	-20.9	-43.3	-32.4	0.44		
5.2	109.89	1571.1	1551.7	1539.4	10.50	9.89	10.05	-22.3	-49.2	-32.5	0.22		
5.6	106.52	1613.8	1594.3	1582.1	10.86	10.17	10.43	-22.5	-50.8	-32.3	0.24		
6.0	99.55	1654.3	1634.1	1622.6	10.75	10.23	10.56	-23.6	-51.7	-32.6	0.39		
6.4	95.40	1693.7	1672.3	1660.8	10.81	9.96	10.41	-24.9	-49.7	-31.7	0.14		
6.8	94.68	1733.0	1710.2	1698.1	11.20	10.17	10.30	-24.2	-47.5	-31.1	0.27		
7.2	93.30	1770.7	1747.5	1734.3	11.27	10.40	10.63	-24.8	-45.3	-30.2	0.49		
7.6	89.84	1806.4	1783.4	1768.9	10.89	10.35	10.69	-25.2	-44.4	-29.8	0.68		
8.0	84.77	1839.6	1817.3	1802.1	10.71	10.08	10.31	-25.6	-41.7	-29.9	0.86		
8.4	81.60	1873.4	1850.0	1834.6	11.00	9.95	10.02	-26.4	-39.8	-30.7	0.90		
8.8	79.70	1906.0	1881.9	1866.5	11.12	10.18	10.15	-27.0	-38.0	-31.2	0.81		
9.2	77.43	1936.9	1912.8	1897.3	11.02	10.30	10.34	-27.6	-35.4	-33.0	0.65		
9.6	75.09	1967.5	1942.9	1927.2	10.65	10.00	10.28	-28.3	-33.1	-34.4	0.45		
10.0	73.65	1997.4	1972.3	1956.5	10.42	9.61	9.90	-29.5	-30.9	-36.0	0.22		
10.4	71.88	2026.1	2001.1	1985.1	10.47	9.55	9.63	-30.2	-30.1	-38.4	0.01		
10.8	68.83	2054.1	2028.6	2012.5	10.58	9.45	9.45	-31.0	-28.6	-43.5	0.15		
11.2	66.63	2081.2	2055.3	2038.7	10.57	9.55	9.60	-32.0	-27.8	-45.6	0.20		
11.6	63.62	2106.9	2080.7	2063.9	10.39	9.58	9.60	-33.4	-27.2	-43.1	0.17		
12.0	60.25	2131.5	2104.8	2087.8	10.08	9.38	9.68	-34.5	-26.8	-40.9	0.17		
12.4	56.82	2154.2	2127.5	2110.6	9.97	9.04	9.41	-34.8	-27.4	-41.8	0.19		
12.8	54.10	2176.4	2149.2	2132.2	9.96	8.98	9.10	-35.9	-27.9	-40.4	0.23		
13.2	51.63	2197.1	2169.8	2152.7	10.12	8.93	8.94	-36.6	-28.2	-39.0	0.22		
13.6	48.95	2216.9	2189.4	2172.3	10.25	8.92	8.99	-37.0	-28.8	-38.6	0.22		
14.0	46.28	2235.4	2207.9	2190.8	10.21	9.07	9.00	-37.6	-29.1	-38.2	0.21		