Voltage Controlled Oscillator ROS-ED9667/1

Typical Performance Data

V TUNE	TUNE SENS (MHz/V)	FREQUENCY (MHz)			POWER OUTPUT (dBm)			HARMONICS (dBc)			FREQ. PUSH (MHz/V)
		-55°C	+25°C	+85°C	-55°C	+25°C	+85°C	F2	F3	F4	
0.1	38.80	2107.2	2098.0	2088.5	3.79	5.19	5.52	-23.4	-27.3	-44.7	1.50
0.3	38.72	2111.9	2102.9	2093.4	3.72	5.18	5.47	-23.6	-28.0	-44.1	1.52
0.4	38.72	2116.8	2107.7	2098.3	3.65	5.11	5.31	-23.8	-28.2	-44.8	1.50
0.5	39.36	2121.7	2112.6	2103.1	3.61	5.03	5.29	-23.8	-28.7	-45.2	1.48
0.6	40.00	2126.8	2117.6	2108.1	3.51	4.98	5.22	-23.9	-29.8	-45.6	1.50
0.8	41.76	2132.1	2122.9	2113.2	3.45	4.87	5.15	-24.1	-30.5	-45.4	1.50
0.9	43.36	2137.6	2128.3	2118.6	3.36	4.80	5.10	-24.2	-31.3	-45.7	1.48
1.0	45.44	2143.5	2134.0	2124.1	3.31	4.86	4.99	-24.6	-31.8	-46.9	1.48
1.1	48.00	2149.7	2140.0	2130.0	3.41	4.70	4.92	-24.9	-32.7	-46.6	1.48
1.3	50.64	2156.4	2146.3	2136.2	3.30	4.65	4.98	-25.4	-33.8	-45.9	1.48
1.4	54.00	2163.6	2153.0	2142.7	3.27	4.63	4.78	-25.9	-34.4	-46.8	1.48
1.5	58.56	2171.1	2160.4	2149.7	3.41	4.59	4.88	-25.9	-35.7	-46.5	1.56
1.6	62.40	2179.1	2168.2	2157.1	3.33	4.73	4.75	-26.3	-36.4	-46.6	1.50
1.8	66.16	2187.7	2176.4	2165.0	3.40	4.61	4.69	-26.7	-37.0	-48.2	1.40
1.9	69.44	2196.8	2185.1	2173.5	3.42	4.65	4.70	-27.2	-38.2	-48.6	1.40
2.0	74.16	2206.4	2194.4	2182.7	3.49	4.74	4.75	-27.7	-39.0	-48.0	1.38
2.1	77.84	2216.6	2204.1	2192.2	3.58	4.80	4.78	-28.0	-39.9	-49.0	1.32
2.3	81.52	2227.2	2214.3	2202.2	3.59	4.89	4.86	-28.2	-40.1	-48.5	1.14
2.4	86.32	2238.4	2225.1	2212.7	3.53	4.89	4.98	-28.7	-41.0	-49.4	1.02
2.5	89.68	2250.2	2236.3	2223.7	3.48	4.84	4.98	-29.6	-41.4	-49.7	0.92
2.6	95.04	2262.4	2248.2	2235.1	3.37	4.74	4.95	-29.9	-41.6	-47.8	0.74
2.8	97.28	2274.8	2260.3	2246.9	3.21	4.65	4.86	-31.0	-42.2	-46.3	0.44
2.9	99.52	2287.6	2272.8	2259.2	3.04	4.50	4.70	-34.5	-42.1	-47.7	0.12
3.0	99.76	2300.5	2285.2	2271.7	2.89	4.38	4.61	-33.3	-42.1	-46.2	0.34
3.1	101.36	2313.6	2297.9	2284.2	2.80	4.20	4.45	-31.7	-41.9	-47.6	0.76
3.3	102.48	2327.0	2310.7	2296.9	2.89	4.21	4.33	-31.8	-40.9	-47.0	1.38
3.4	101.52	2340.1	2323.4	2309.4	3.01	4.16	4.30	-32.4	-39.4	-46.9	2.16
3.5	101.36	2353.0	2336.1	2321.9	3.10	4.15	4.14	-31.6	-38.4	-47.0	2.94
3.6	97.68	2365.3	2348.3	2334.1	3.16	4.31	4.22	-31.2	-37.5	-46.4	3.66
3.8	93.92	2377.2	2360.0	2346.0	3.10	4.35	4.31	-31.1	-37.3	-48.0	4.44
3.9	90.08	2388.6	2371.3	2357.5	3.22	4.42	4.38	-30.7	-36.9	-45.8	5.22
4.0	86.00	2399.6	2382.0	2368.3	3.24	4.46	4.50	-30.5	-36.7	-46.6	5.92
4.1	82.16	2410.0	2392.3	2378.7	3.19	4.46	4.53	-30.0	-36.4	-46.8	6.42
4.3	77.36	2419.7	2402.0	2388.4	3.13	4.51	4.53	-30.1	-36.1	-47.1	7.02
4.4	73.04	2428.7	2411.1	2397.6	3.03	4.46	4.59	-30.0	-36.7	-46.3	7.32
4.5	68.72	2436.9	2419.7	2406.2	2.97	4.39	4.47	-29.8	-36.1	-47.8	7.56
4.6	62.96	2444.5	2427.6	2414.2	2.86	4.29	4.51	-29.4	-36.2	-48.9	7.58
4.8	57.60	2451.4	2434.8	2421.8	2.84	4.25	4.45	-28.6	-35.5	-47.5	7.52
4.9	52.88	2457.7	2441.4	2428.7	2.78	4.20	4.34	-28.3	-36.2	-48.4	7.46
5.0	49.04	2463.4	2447.5	2435.0	2.78	4.09	4.29	-28.2	-35.7	-48.7	7.26

FREQ OFFSET (KHz)	PHASE NOISE (dBc/Hz)
1	-75
10	-95
100	-115
1000	-135