

Voltage Controlled Oscillator

ROS-ED8803/2

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			
0.2	64.99	2084.4	2067.5	2051.5	2.93	3.91	3.97	-28.5	-40.3	-39.8	2.24	1	-63
0.3	60.69	2093.2	2076.6	2060.8	2.95	3.94	3.99	-28.5	-40.7	-38.8	2.35	10	-95
0.5	57.23	2101.6	2085.2	2069.5	2.97	3.97	4.01	-28.5	-40.8	-38.8	2.40	100	-115
0.6	54.94	2109.7	2093.4	2077.8	2.98	4.00	4.04	-28.3	-41.2	-38.7	2.44	1000	-133
0.8	52.94	2117.5	2101.3	2085.8	3.00	4.02	4.07	-28.0	-41.3	-38.0	2.52		
0.9	51.28	2125.2	2109.0	2093.4	2.99	4.04	4.10	-28.0	-41.2	-38.3	2.60		
1.1	50.19	2132.6	2116.6	2100.9	3.01	4.04	4.12	-28.0	-41.8	-38.0	2.65		
1.2	49.05	2139.9	2123.9	2108.2	3.00	4.06	4.14	-28.0	-42.0	-38.3	2.65		
1.4	48.30	2147.0	2131.2	2115.5	3.00	4.06	4.14	-27.8	-42.3	-37.8	2.63		
1.5	47.17	2154.0	2138.2	2122.5	3.01	4.09	4.17	-27.7	-41.7	-37.7	2.67		
1.7	46.87	2161.0	2145.3	2129.5	3.02	4.09	4.17	-27.7	-41.8	-38.2	2.68		
1.8	45.99	2167.9	2152.2	2136.4	3.01	4.10	4.16	-27.7	-42.0	-37.8	2.69		
2.0	45.54	2174.8	2159.0	2143.2	3.03	4.10	4.18	-27.7	-42.7	-38.3	2.74		
2.1	45.66	2181.6	2165.8	2150.0	3.04	4.12	4.18	-27.7	-43.0	-38.3	2.71		
2.3	45.35	2188.4	2172.6	2156.7	3.05	4.11	4.20	-27.8	-43.7	-38.0	2.68		
2.4	44.99	2195.2	2179.4	2163.3	3.06	4.14	4.19	-28.0	-43.8	-38.3	2.72		
2.6	45.29	2202.0	2186.2	2170.1	3.06	4.27	4.20	-28.3	-43.5	-38.8	2.70		
2.7	44.86	2208.8	2192.9	2176.8	3.09	4.27	4.33	-28.2	-43.8	-38.8	2.70		
2.9	45.17	2215.6	2199.7	2183.4	3.09	4.28	4.32	-28.3	-44.7	-38.8	2.60		
3.0	45.04	2222.4	2206.4	2190.1	3.09	4.29	4.34	-28.7	-45.3	-38.8	2.65		
3.2	45.61	2229.3	2213.3	2196.8	3.11	4.21	4.34	-28.8	-45.8	-38.7	2.69		
3.3	45.00	2236.0	2220.0	2203.5	3.11	4.21	4.36	-29.0	-46.3	-39.2	2.59		
3.5	45.11	2242.8	2226.8	2210.2	3.08	4.21	4.36	-29.3	-46.3	-39.0	2.60		
3.6	45.29	2249.6	2233.6	2216.9	3.08	4.22	4.25	-29.7	-47.3	-38.2	2.57		
3.8	44.89	2256.4	2240.3	2223.6	3.07	4.21	4.28	-30.0	-47.3	-37.7	2.47		
3.9	44.71	2263.2	2247.0	2230.3	3.05	4.21	4.27	-30.2	-47.8	-37.7	2.40		
4.1	44.35	2270.0	2253.7	2236.8	3.06	4.17	4.26	-30.2	-47.0	-37.7	2.29		
4.2	44.28	2276.7	2260.3	2243.4	3.06	4.17	4.24	-30.7	-48.7	-37.0	2.11		
4.4	43.51	2283.4	2266.9	2249.9	3.09	4.16	4.23	-31.2	-47.5	-37.2	2.04		
4.5	42.97	2290.0	2273.3	2256.2	3.09	4.17	4.21	-31.3	-49.0	-36.7	1.89		
4.7	42.16	2296.5	2279.6	2262.5	3.09	4.17	4.20	-31.8	-48.3	-36.8	1.63		
4.8	41.28	2302.8	2285.8	2268.6	3.11	4.18	4.19	-32.3	-49.5	-36.8	1.45		
5.0	40.15	2309.0	2291.8	2274.5	3.10	4.18	4.19	-32.7	-49.5	-36.8	1.26		
5.1	39.30	2315.0	2297.7	2280.4	3.09	4.21	4.19	-33.2	-49.2	-36.3	1.03		