

Voltage Controlled Oscillator

ROS-ED10316B/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	29.04	2079.7	2069.7	2059.8	4.84	5.56	5.43	-25.3	-24.3	-48.1	0.84	1	-77
0.3	28.40	2083.2	2073.3	2063.4	4.79	5.55	5.44	-25.7	-24.3	-46.6	0.84	10	-102
0.4	27.84	2086.6	2076.7	2067.0	4.82	5.57	5.46	-25.7	-24.1	-45.7	0.84	100	-122
0.5	28.16	2090.1	2080.3	2070.5	4.88	5.62	5.52	-25.9	-24.1	-44.4	0.90	1000	-140
0.6	28.00	2093.5	2083.8	2074.0	4.89	5.57	5.51	-25.8	-23.7	-43.9	0.84		
0.8	28.40	2097.1	2087.3	2077.5	4.91	5.58	5.56	-25.9	-23.6	-42.7	0.90		
0.9	28.80	2100.7	2090.9	2081.2	4.88	5.64	5.58	-26.2	-23.6	-43.8	0.88		
1.0	29.60	2104.5	2094.6	2084.8	4.87	5.66	5.53	-26.3	-23.5	-42.1	0.94		
1.1	30.80	2108.4	2098.5	2088.7	4.84	5.63	5.58	-26.6	-23.5	-41.8	0.90		
1.3	31.60	2112.4	2102.4	2092.6	4.87	5.65	5.59	-26.6	-23.1	-42.1	0.94		
1.4	33.60	2116.7	2106.6	2096.7	4.85	5.64	5.62	-26.8	-23.1	-41.8	0.98		
1.5	35.12	2121.2	2111.0	2101.0	4.83	5.61	5.59	-26.8	-23.1	-41.9	1.04		
1.6	37.20	2126.1	2115.6	2105.6	4.81	5.59	5.58	-26.9	-23.0	-41.3	1.12		
1.8	40.16	2131.4	2120.7	2110.5	4.81	5.58	5.55	-26.9	-23.0	-41.3	1.20		
1.9	43.12	2137.1	2126.1	2115.7	4.82	5.56	5.53	-27.1	-23.2	-41.7	1.26		
2.0	46.80	2143.3	2131.9	2121.3	4.84	5.57	5.52	-26.9	-23.3	-41.5	1.40		
2.1	50.24	2149.9	2138.2	2127.4	4.85	5.55	5.50	-27.1	-23.6	-41.0	1.48		
2.3	53.60	2156.9	2144.9	2133.9	4.93	5.61	5.47	-27.0	-23.8	-39.2	1.42		
2.4	57.52	2164.5	2152.1	2140.8	4.90	5.62	5.50	-26.9	-24.0	-40.2	1.26		
2.5	60.00	2172.4	2159.6	2148.2	4.92	5.63	5.51	-26.8	-24.2	-40.4	0.88		
2.6	62.16	2180.5	2167.3	2155.8	4.98	5.66	5.61	-26.7	-24.1	-39.8	0.46		
2.8	62.48	2188.7	2175.2	2163.5	5.06	5.71	5.59	-26.6	-24.6	-40.7	0.28		
2.9	62.88	2196.8	2183.0	2171.4	5.12	5.80	5.64	-26.2	-24.5	-41.3	1.00		
3.0	61.36	2204.8	2190.7	2179.2	5.25	5.87	5.71	-26.5	-24.6	-41.4	1.82		
3.1	60.48	2212.6	2198.2	2186.8	5.33	5.99	5.76	-26.6	-24.5	-40.8	2.58		
3.3	59.12	2220.2	2205.6	2194.2	5.47	6.07	5.88	-26.6	-24.4	-40.5	3.40		
3.4	56.72	2227.5	2212.7	2201.4	5.58	6.15	5.96	-27.1	-24.6	-41.7	4.12		
3.5	54.72	2234.4	2219.6	2208.3	5.66	6.28	6.09	-27.8	-24.5	-44.5	4.78		
3.6	52.24	2241.1	2226.1	2215.0	5.69	6.37	6.12	-28.1	-24.8	-48.5	5.44		
3.8	50.00	2247.4	2232.3	2221.3	5.73	6.41	6.25	-28.1	-25.1	-49.1	5.94		
3.9	47.76	2253.4	2238.3	2227.4	5.71	6.47	6.33	-28.6	-24.7	-42.7	6.32		
4.0	45.20	2259.1	2244.0	2233.1	5.72	6.51	6.40	-28.7	-24.9	-42.6	6.66		
4.1	42.96	2264.4	2249.3	2238.6	5.72	6.45	6.41	-28.6	-25.0	-41.3	6.84		
4.3	40.32	2269.3	2254.4	2243.7	5.71	6.52	6.43	-28.9	-25.2	-39.3	6.86		
4.4	37.52	2273.9	2259.1	2248.4	5.70	6.52	6.37	-29.1	-24.8	-39.2	6.86		
4.5	35.44	2278.1	2263.5	2252.9	5.68	6.51	6.43	-29.8	-24.8	-38.9	6.74		
4.6	32.56	2282.0	2267.6	2257.1	5.70	6.49	6.47	-30.8	-24.3	-39.4	6.52		
4.8	30.24	2285.6	2271.3	2260.9	5.67	6.53	6.46	-32.0	-24.3	-39.7	6.26		
4.9	27.60	2288.9	2274.8	2264.5	5.63	6.50	6.44	-33.4	-24.6	-39.7	5.84		
5.0	25.44	2291.8	2278.0	2267.7	5.64	6.47	6.40	-34.4	-24.4	-39.0	5.44		
5.1	23.20	2294.5	2280.9	2270.7	5.61	6.48	6.43	-33.7	-24.5	-38.5	5.00		
5.3	20.96	2296.9	2283.5	2273.3	5.62	6.44	6.39	-32.5	-24.6	-38.0	4.48		
5.4	19.20	2299.1	2285.9	2275.8	5.61	6.44	6.40	-32.1	-24.8	-38.2	4.00		
5.5	17.36	2301.1	2288.1	2277.9	5.62	6.39	6.36	-31.5	-24.9	-37.4	3.46		
5.6	15.52	2302.8	2290.0	2279.9	5.58	6.39	6.36	-31.3	-24.9	-37.5	3.04		
5.8	14.08	2304.4	2291.8	2281.7	5.59	6.39	6.36	-31.4	-24.8	-37.0	2.54		
5.9	12.64	2305.8	2293.3	2283.3	5.60	6.35	6.31	-31.4	-24.8	-38.3	2.14		
6.0	11.60	2307.14	2294.79	2284.79	5.60	6.35	6.31	-31.3	-24.9	-38.2	1.76		