

Voltage Controlled Oscillator

ROS-2252+

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	24.41	2156.9	2151.4	2146.1	1.98	3.34	4.05	-43.8	-45.4	-32.1	1.19	1	-84
0.3	21.99	2162.9	2157.5	2152.1	1.99	3.33	4.02	-42.8	-45.8	-32.6	1.15	10	-107
0.5	21.22	2168.4	2163.0	2157.9	2.00	3.33	3.98	-43.1	-46.1	-31.9	1.16	100	-128
0.8	20.98	2173.7	2168.3	2163.5	1.98	3.32	3.98	-43.3	-46.4	-31.8	1.18	1000	-148
1.0	20.98	2179.0	2173.5	2168.7	1.98	3.32	3.99	-42.3	-46.3	-31.7	1.20		
1.3	21.33	2184.4	2178.8	2173.8	1.98	3.32	4.00	-40.4	-46.7	-31.6	1.22		
1.5	21.88	2189.8	2184.1	2179.0	1.98	3.32	4.01	-39.5	-47.0	-31.3	1.25		
1.8	22.30	2195.3	2189.6	2184.2	1.95	3.32	4.02	-39.9	-47.3	-30.8	1.30		
2.0	22.44	2201.2	2195.1	2189.6	1.98	3.34	4.03	-39.2	-48.0	-30.2	1.29		
2.3	22.94	2207.0	2200.8	2195.1	2.01	3.36	4.04	-37.3	-48.3	-30.1	1.29		
2.5	23.51	2212.8	2206.5	2201.0	2.01	3.37	4.04	-37.1	-48.5	-30.3	1.31		
2.8	24.07	2218.8	2212.4	2206.8	1.98	3.35	4.03	-37.3	-49.3	-29.8	1.33		
3.0	24.32	2225.0	2218.4	2212.7	1.95	3.33	4.01	-36.5	-49.7	-29.5	1.34		
3.3	24.70	2231.2	2224.5	2218.6	1.93	3.31	3.98	-34.8	-50.5	-29.5	1.34		
3.5	25.52	2237.5	2230.6	2224.7	1.93	3.30	3.97	-34.5	-51.0	-29.3	1.37		
3.8	25.95	2243.8	2237.0	2230.9	1.94	3.28	3.98	-34.3	-52.0	-29.2	1.45		
4.0	25.28	2250.2	2243.5	2237.0	1.98	3.32	3.99	-33.5	-53.0	-28.7	1.43		
4.3	25.06	2256.8	2249.8	2243.2	2.02	3.36	4.00	-33.3	-53.4	-28.7	1.43		
4.5	25.00	2263.2	2256.1	2249.4	2.05	3.38	4.02	-33.3	-54.8	-29.0	1.47		
4.8	24.80	2269.5	2262.3	2255.7	2.06	3.38	4.01	-32.4	-54.4	-28.7	1.52		
5.0	24.72	2275.8	2268.5	2262.0	2.10	3.40	4.03	-31.3	-54.1	-28.6	1.59		
5.3	24.52	2281.9	2274.7	2268.1	2.12	3.42	4.06	-31.5	-53.8	-28.7	1.67		
5.5	23.97	2288.1	2280.9	2274.1	2.15	3.45	4.08	-31.8	-53.4	-28.4	1.75		
5.8	23.65	2294.3	2286.8	2280.0	2.17	3.49	4.13	-31.6	-53.3	-28.3	1.83		
6.0	23.39	2300.3	2292.8	2285.8	2.17	3.51	4.14	-31.5	-51.7	-28.4	1.92		

