

# Voltage Controlled Oscillator

# ROS-2243C+

## 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	26.13	2160.36	2154.87	2149.78	4.35	4.63	4.44	-35.56	-27.65	-35.30	0.37	1	-85
0.3	24.08	2166.63	2161.40	2156.58	4.47	4.75	4.58	-35.72	-27.62	-35.16	0.29	10	-114
0.5	22.80	2172.50	2167.42	2162.69	4.58	4.86	4.71	-36.08	-28.35	-34.33	0.24	100	-135
0.8	21.91	2178.09	2173.12	2168.43	4.65	4.97	4.82	-36.65	-28.72	-34.86	0.21	1000	-154
1.0	21.59	2183.55	2178.60	2173.96	4.71	5.05	4.91	-36.75	-27.07	-36.11	0.19		
1.3	21.38	2188.92	2183.99	2179.37	4.77	5.10	4.98	-36.72	-27.22	-35.60	0.18		
1.5	21.32	2194.27	2189.34	2184.69	4.83	5.15	5.05	-36.90	-27.86	-34.51	0.16		
1.8	21.13	2199.57	2194.67	2189.97	4.90	5.22	5.12	-37.41	-28.75	-34.66	0.14		
2.0	21.30	2204.91	2199.95	2195.24	4.95	5.29	5.17	-38.05	-28.03	-35.70	0.12		
2.3	21.57	2210.30	2205.28	2200.57	4.99	5.34	5.21	-38.52	-27.21	-35.26	0.11		
2.5	21.89	2215.77	2210.67	2205.93	5.02	5.37	5.26	-38.70	-27.66	-34.72	0.09		
2.8	21.91	2221.26	2216.14	2211.33	5.05	5.40	5.30	-38.92	-28.30	-34.07	0.07		
3.0	22.05	2226.81	2221.62	2216.78	5.06	5.43	5.34	-39.71	-28.09	-34.62	0.07		
3.3	22.28	2232.42	2227.13	2222.30	5.10	5.45	5.35	-40.21	-27.16	-35.31	0.08		
3.5	22.26	2238.06	2232.70	2227.86	5.13	5.47	5.37	-40.55	-27.56	-34.25	0.12		
3.8	21.89	2243.64	2238.26	2233.41	5.15	5.50	5.41	-40.83	-27.99	-33.83	0.18		
4.0	21.45	2249.16	2243.74	2238.93	5.16	5.52	5.43	-41.12	-27.52	-35.42	0.28		
4.3	20.87	2254.55	2249.10	2244.39	5.21	5.53	5.44	-41.37	-26.83	-35.57	0.42		
4.5	19.93	2259.76	2254.32	2249.69	5.27	5.57	5.45	-41.76	-27.41	-34.37	0.57		
4.8	18.77	2264.72	2259.30	2254.78	5.31	5.63	5.50	-42.61	-28.08	-34.36	0.73		
5.0	17.57	2269.42	2263.99	2259.59	5.33	5.67	5.55	-43.12	-28.28	-35.88	0.88		
5.3	16.35	2273.85	2268.39	2264.10	5.33	5.70	5.58	-42.97	-27.07	-36.30	1.00		
5.5	15.00	2277.96	2272.47	2268.28	5.34	5.71	5.60	-42.79	-26.81	-35.74	1.09		
5.8	13.54	2281.71	2276.22	2272.09	5.34	5.71	5.62	-42.65	-27.40	-35.27	1.13		
6.0	12.03	2285.08	2279.61	2275.53	5.35	5.72	5.63	-42.64	-28.05	-35.28	1.12		
6.3	10.57	2288.09	2282.62	2278.59	5.34	5.72	5.64	-42.95	-28.51	-35.23	1.06		
6.5	9.21	2290.73	2285.26	2281.28	5.33	5.73	5.64	-43.11	-28.71	-35.24	0.97		
6.8	7.95	2293.05	2287.56	2283.62	5.32	5.73	5.64	-43.13	-28.68	-35.27	0.85		
7.0	6.82	2295.06	2289.55	2285.65	5.32	5.73	5.64	-43.13	-28.39	-35.42	0.72		
7.3	5.85	2296.8	2291.3	2287.4	5.31	5.72	5.63	-43.2	-27.8	-35.8	0.59		
7.5	5.03	2298.3	2292.7	2288.9	5.31	5.72	5.63	-43.2	-27.3	-36.5	0.46		
7.8	4.35	2299.5	2294.0	2290.2	5.31	5.72	5.63	-43.1	-27.1	-37.0	0.35		
8.0	4.35	2300.6	2295.1	2291.3	5.30	5.71	5.62	-43.0	-27.2	-37.3	0.25		

