

# Voltage Controlled Oscillator

# ROS-2485+

## 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	71.13	1913.2	1908.2	1902.6	7.74	6.46	5.82	-22.7	-31.7	-53.7	2.88	1	-77
0.5	63.96	1950.4	1943.7	1937.7	6.56	6.19	5.88	-28.4	-28.5	-60.6	2.06	10	-104
1.0	61.36	1982.9	1975.7	1969.5	6.38	6.19	5.91	-33.0	-26.4	-66.9	1.50	100	-125
1.5	60.18	2014.0	2006.4	1999.9	6.43	6.29	6.04	-34.7	-25.1	-67.1	1.21	1000	-145
2.0	59.65	2044.5	2036.5	2029.7	6.54	6.42	6.12	-34.7	-23.1	-67.2	1.00		
2.5	58.61	2074.6	2066.3	2059.4	6.59	6.43	6.05	-33.1	-22.4	-56.6	0.84		
3.0	57.47	2104.3	2095.6	2088.5	6.64	6.42	5.95	-32.4	-23.1	-50.8	0.68		
3.5	56.13	2133.4	2124.3	2117.0	6.62	6.39	5.82	-32.8	-25.5	-54.1	0.50		
4.0	54.16	2161.6	2152.4	2144.9	6.59	6.30	5.60	-33.8	-27.7	-57.3	0.36		
4.5	51.67	2188.6	2179.5	2172.0	6.71	6.31	5.46	-34.3	-30.5	-58.4	0.24		
5.0	51.02	2214.6	2205.3	2197.8	6.75	6.38	5.49	-34.8	-31.9	-60.9	0.15		
5.5	49.16	2240.2	2230.8	2223.1	6.70	6.28	5.26	-36.1	-33.4	-65.8	0.07		
6.0	47.09	2264.7	2255.4	2247.9	6.68	6.24	5.13	-36.1	-35.9	-65.3	0.01		
6.5	45.19	2288.1	2279.0	2271.5	6.71	6.25	5.17	-35.8	-36.2	-63.4	0.07		
7.0	44.19	2310.7	2301.6	2294.0	6.70	6.28	5.25	-35.7	-37.5	-64.1	0.13		
7.5	42.45	2332.7	2323.6	2315.9	6.66	6.23	5.20	-35.4	-39.5	-61.4	0.18		
8.0	40.63	2353.8	2344.9	2337.3	6.73	6.25	5.19	-34.9	-39.3	-58.5	0.22		
8.5	39.38	2374.0	2365.2	2357.7	6.75	6.32	5.35	-34.6	-40.0	-60.3	0.26		
9.0	37.65	2393.5	2384.9	2377.4	6.81	6.36	5.44	-34.0	-39.6	-57.8	0.30		
9.5	35.99	2412.1	2403.7	2396.4	6.92	6.46	5.55	-33.4	-39.8	-58.8	0.32		
10.0	34.98	2430.0	2421.7	2414.5	6.93	6.56	5.75	-33.3	-39.7	-57.7	0.35		
10.5	33.73	2447.3	2439.2	2432.0	6.91	6.56	5.80	-33.2	-38.7	-56.8	0.37		
11.0	32.16	2463.8	2456.0	2449.0	6.91	6.53	5.80	-32.5	-43.3	-56.2	0.38		
11.5	30.63	2479.6	2472.1	2465.3	6.97	6.57	5.82	-31.6	-44.5	-55.3	0.38		
12.0	29.02	2494.6	2487.4	2480.9	7.04	6.61	5.88	-31.5	-44.2	-54.5	0.37		
12.5	27.57	2508.8	2501.9	2495.8	7.12	6.70	5.97	-31.4	-49.3	-54.6	0.35		
13.0	26.32	2522.3	2515.7	2509.7	7.10	6.74	6.07	-30.9	-45.8	-56.4	0.32		
13.5	25.16	2535.3	2528.9	2523.0	6.95	6.67	6.08	-30.8	-52.2	-53.3	0.28		
14.0	23.60	2547.7	2541.5	2535.6	6.71	6.48	5.97	-30.6	-48.2	-54.3	0.24		
14.5	21.52	2559.4	2553.3	2547.4	6.50	6.26	5.78	-31.1	-51.9	-52.3	0.19		
15.0	19.23	2570.1	2564.0	2558.3	6.33	6.09	5.63	-31.1	-51.8	-52.2	0.16		
15.5	16.80	2579.7	2573.6	2567.9	6.19	5.96	5.52	-31.1	-49.7	-51.3	0.15		
16.0	14.30	2588.3	2582.0	2576.2	6.06	5.89	5.44	-31.5	-52.7	-50.1	0.15		