

Voltage Controlled Oscillator

ROS-2500-2319+

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			
0.00	155.81	2066.4	2039.4	2019.6	3.44	4.33	4.48	-46.4	-31.1	-36.4	1.17	1	-69.6
0.25	142.19	2103.6	2078.4	2060.2	3.37	4.26	4.55	-47.1	-29.1	-37.3	0.37	10	-95.9
0.60	129.19	2150.1	2127.0	2110.2	3.46	4.27	4.48	-51.8	-28.9	-35.2	0.26	100	-118.8
0.75	127.49	2169.4	2146.5	2130.4	3.41	4.33	4.55	-55.5	-29.1	-34.0	0.45	1000	-138.9
1.00	124.20	2200.8	2178.4	2162.2	3.47	4.23	4.49	-71.3	-29.7	-34.6	0.73		
1.25	122.82	2231.6	2209.4	2193.6	3.63	4.30	4.48	-53.1	-29.0	-37.7	0.98		
1.50	121.76	2261.7	2240.1	2224.3	3.71	4.48	4.56	-51.4	-27.0	-40.4	1.24		
1.75	124.85	2292.9	2270.6	2254.5	3.58	4.46	4.76	-47.6	-24.0	-40.1	1.58		
2.00	125.46	2324.2	2301.8	2285.4	3.74	4.41	4.60	-47.7	-23.0	-41.0	1.93		
2.25	123.93	2355.1	2333.2	2316.8	4.05	4.59	4.64	-47.7	-22.8	-40.1	2.29		
2.50	131.91	2386.9	2364.1	2348.0	3.84	4.84	4.98	-48.8	-22.5	-40.7	2.64		
2.75	132.40	2420.4	2397.1	2379.6	4.05	4.58	4.96	-47.1	-22.2	-40.9	3.15		
3.00	130.77	2452.9	2430.2	2413.3	4.41	4.98	4.91	-45.2	-23.0	-41.9	3.04		
3.25	136.66	2486.8	2462.9	2445.7	4.19	5.19	5.40	-41.8	-23.9	-42.5	2.71		
3.50	131.22	2521.2	2497.1	2478.7	4.42	4.97	5.37	-38.4	-24.2	-40.8	1.86		
3.75	126.07	2553.6	2529.9	2512.4	4.83	5.37	5.29	-35.7	-25.0	-37.4	0.26		
4.00	125.73	2586.2	2561.4	2543.6	4.84	5.63	5.78	-33.7	-25.1	-34.8	1.41		
4.25	118.29	2617.6	2592.8	2574.5	4.84	5.63	5.89	-31.7	-26.8	-34.7	3.17		
4.50	109.12	2646.7	2622.4	2604.5	5.13	5.68	5.89	-29.7	-26.5	-34.1	4.81		
4.75	104.50	2674.6	2649.7	2632.2	5.34	5.97	5.96	-28.9	-26.7	-35.8	6.28		
5.00	98.76	2701.1	2675.8	2657.7	5.33	6.12	6.28	-27.8	-25.6	-38.1	7.63		
5.25	90.15	2725.5	2700.5	2682.2	5.29	6.13	6.44	-27.0	-25.9	-38.1	8.65		
5.50	78.34	2746.8	2723.0	2705.0	5.59	6.11	6.44	-25.5	-26.3	-40.3	8.95		
5.75	71.23	2766.6	2742.6	2725.6	5.85	6.34	6.39	-25.4	-25.6	-43.7	8.90		
6.00	68.78	2785.7	2760.4	2743.3	5.85	6.61	6.59	-25.0	-26.8	-43.7	9.22		
6.25	63.50	2802.6	2777.6	2759.5	5.78	6.68	6.84	-24.2	-27.9	-44.4	9.35		
6.50	54.58	2817.2	2793.5	2774.8	5.83	6.63	6.95	-23.9	-26.7	-48.4	8.43		
6.75	47.10	2829.8	2807.1	2789.2	5.98	6.61	6.95	-23.2	-26.1	-47.1	7.28		
7.00	47.10	2841.0	2818.9	2801.7	6.12	6.69	6.91	-22.9	-25.4	-50.2	6.12		

