

Voltage Controlled Oscillator

ROS-2405C-119+

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	38.34	2084.53	2079.64	2074.79	0.03	-0.33	-0.75	-33.53	-24.00	-23.45	1.39	1	-80
0.5	35.85	2103.44	2098.81	2094.31	-0.09	-0.30	-0.62	-29.86	-23.47	-23.21	1.22	10	-106
1.0	35.87	2121.41	2116.73	2112.16	-0.24	-0.37	-0.66	-27.30	-23.49	-23.31	1.07	100	-128
1.5	36.66	2139.50	2134.67	2129.95	-0.39	-0.50	-0.77	-26.43	-23.00	-22.89	0.98	1000	-147
2.0	37.73	2158.03	2153.00	2148.10	-0.39	-0.49	-0.81	-26.45	-23.87	-22.46	0.91		
2.5	38.84	2177.12	2171.87	2166.76	-0.32	-0.42	-0.77	-25.71	-24.18	-22.87	0.85		
3.0	39.96	2196.82	2191.28	2185.96	-0.35	-0.40	-0.73	-25.99	-25.75	-24.07	0.80		
3.5	41.08	2217.13	2211.26	2205.70	-0.36	-0.40	-0.75	-26.79	-25.56	-25.39	0.74		
4.0	41.72	2237.99	2231.80	2226.00	-0.37	-0.42	-0.80	-26.63	-26.81	-26.50	0.67		
4.5	42.21	2259.12	2252.66	2246.73	-0.36	-0.47	-0.88	-27.54	-27.03	-27.91	0.61		
5.0	42.57	2280.51	2273.77	2267.67	-0.23	-0.36	-0.86	-27.94	-28.07	-30.23	0.55		
5.5	42.89	2302.15	2295.05	2288.77	-0.22	-0.29	-0.82	-28.64	-28.33	-31.51	0.49		
6.0	42.80	2323.85	2316.50	2310.10	-0.25	-0.35	-0.93	-29.34	-27.27	-33.90	0.42		
6.5	42.78	2345.55	2337.90	2331.38	-0.28	-0.39	-1.04	-29.07	-28.14	-34.12	0.36		
7.0	42.44	2367.16	2359.29	2352.69	-0.21	-0.39	-1.16	-29.66	-27.66	-34.13	0.30		
7.5	41.99	2388.57	2380.50	2373.86	0.00	-0.25	-1.16	-29.60	-27.32	-36.33	0.24		
8.0	41.72	2409.81	2401.50	2394.79	0.05	-0.10	-1.06	-30.32	-28.29	-38.76	0.19		
8.5	41.36	2430.88	2422.36	2415.56	-0.03	-0.17	-1.13	-29.96	-27.17	-40.49	0.13		
9.0	40.72	2451.72	2443.04	2436.21	0.02	-0.21	-1.30	-29.87	-27.72	-42.76	0.08		
9.5	39.98	2472.16	2463.40	2456.58	0.13	-0.16	-1.32	-30.25	-26.75	-43.54	0.04		
10.0	39.35	2492.28	2483.39	2476.56	0.23	-0.08	-1.28	-29.19	-26.49	-45.73	0.00		
10.5	38.77	2512.09	2503.06	2496.21	0.25	0.02	-1.22	-29.29	-26.31	-48.02	0.03		
11.0	37.94	2531.53	2522.45	2515.60	0.20	-0.04	-1.26	-29.61	-24.64	-49.59	0.04		
11.5	36.96	2550.54	2541.41	2534.63	0.24	-0.11	-1.37	-28.45	-25.06	-50.04	0.04		
12.0	35.79	2568.99	2559.89	2553.20	0.38	-0.04	-1.37	-28.39	-24.33	-52.09	0.01		
12.5	34.48	2586.89	2577.79	2571.20	0.47	0.04	-1.29	-27.71	-25.42	-51.37	0.04		
13.0	32.90	2604.06	2595.03	2588.57	0.48	0.09	-1.21	-26.90	-25.05	-48.81	0.12		
13.5	31.14	2620.48	2611.48	2605.16	0.46	0.09	-1.23	-26.69	-26.10	-50.33	0.22		
14.0	31.14	2635.97	2627.05	2620.86	0.35	-0.01	-1.29	-25.97	-26.09	-48.52	0.34		

