

# Voltage Controlled Oscillator

ROS-2500-2119+

## 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	17.91	2481.4	2473.7	2467.9	6.08	6.00	5.61	-25.5	-36.0	-37.2	0.98	1	-81
0.3	16.69	2486.6	2479.0	2473.4	6.07	5.96	5.62	-25.3	-36.2	-35.6	0.98	10	-104
0.5	16.33	2489.9	2482.4	2476.8	6.06	5.93	5.61	-25.2	-36.1	-35.2	0.99	100	-124
0.8	16.45	2493.9	2486.5	2480.9	6.06	5.89	5.59	-24.9	-35.9	-35.4	1.00	1000	-144
1.0	17.16	2497.9	2490.6	2484.9	6.05	5.84	5.57	-24.5	-36.6	-35.9	1.04		
1.3	18.10	2501.9	2494.9	2488.9	6.05	5.80	5.54	-24.2	-37.3	-35.4	1.10		
1.5	17.91	2506.0	2499.4	2492.9	6.05	5.80	5.51	-24.1	-37.2	-34.4	1.13		
1.8	17.15	2510.1	2503.9	2497.2	6.06	5.80	5.49	-24.9	-36.8	-32.9	1.05		
2.0	17.06	2514.3	2508.2	2501.6	6.09	5.82	5.48	-26.2	-36.6	-31.6	1.00		
2.3	17.35	2518.5	2512.4	2506.1	6.13	5.83	5.49	-26.6	-36.7	-31.3	0.99		
2.5	17.78	2522.8	2516.8	2510.5	6.15	5.85	5.51	-26.3	-37.1	-31.7	0.99		
2.8	18.27	2527.3	2521.2	2514.9	6.16	5.88	5.52	-26.1	-36.8	-32.0	0.98		
3.0	18.74	2531.9	2525.8	2519.4	6.18	5.92	5.55	-25.7	-36.0	-31.7	0.98		
3.3	19.12	2536.7	2530.5	2524.1	6.18	5.96	5.59	-25.6	-35.5	-30.5	0.98		
3.5	19.50	2541.7	2535.3	2528.8	6.17	6.01	5.63	-25.9	-35.9	-28.8	0.97		
3.8	19.90	2547.2	2540.1	2533.6	6.16	6.06	5.68	-26.2	-36.7	-28.7	0.97		
4.0	20.22	2553.0	2545.1	2538.6	6.20	6.11	5.74	-26.3	-36.9	-30.1	0.97		
4.3	20.37	2558.4	2550.2	2543.5	6.27	6.15	5.79	-26.2	-36.3	-31.0	0.96		
4.5	20.26	2563.6	2555.2	2548.6	6.32	6.20	5.84	-26.1	-35.8	-30.6	0.95		
4.8	20.16	2568.7	2560.3	2553.7	6.36	6.24	5.89	-26.8	-35.5	-28.7	0.92		
5.0	20.16	2573.7	2565.4	2558.8	6.39	6.27	5.94	-28.9	-35.3	-27.9	0.93		

