

# Voltage Controlled Oscillator

# ROS-2488C-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)
		-40°C	+25°C	+85°C	-40°C	+25°C	+85°C	F2	F3	F4			
0.00	6.2	2472.5	2476.1	2474.4	9.0	8.7	8.6	-26.0	-25.4	-41.8	0.1	1	-92
0.25	5.5	2473.9	2477.6	2476.0	9.0	8.8	8.6	-26.0	-25.9	-41.8	0.1	10	-118
0.50	5.0	2475.2	2479.0	2477.4	9.0	8.8	8.7	-26.0	-26.3	-42.0	0.1	100	-140
0.75	4.8	2476.5	2480.3	2478.7	9.0	8.8	8.7	-26.0	-26.6	-42.8	0.1	1000	-160
1.00	4.6	2477.6	2481.5	2480.0	9.0	8.8	8.7	-26.0	-26.7	-43.3	0.1		
1.25	4.5	2478.8	2482.6	2481.1	9.0	8.8	8.7	-26.1	-26.7	-44.0	0.1		
1.50	4.4	2479.9	2483.7	2482.3	9.1	8.8	8.7	-26.1	-26.7	-44.8	0.0		
1.75	4.3	2480.9	2484.8	2483.4	9.1	8.8	8.8	-26.1	-26.7	-45.3	0.0		
2.00	4.3	2482.0	2485.9	2484.4	9.1	8.8	8.8	-26.1	-26.6	-45.5	0.0		
2.25	4.3	2483.1	2487.0	2485.5	9.1	8.8	8.8	-26.2	-26.5	-46.0	0.0		
2.50	4.3	2484.2	2488.0	2486.6	9.1	8.8	8.8	-26.3	-26.4	-46.3	0.0		
2.75	4.4	2485.3	2489.1	2487.7	9.1	8.8	8.8	-26.4	-26.3	-46.1	0.0		
3.00	4.4	2486.4	2490.2	2488.8	9.0	8.8	8.8	-26.4	-26.4	-46.2	0.0		
3.25	4.4	2487.5	2491.3	2489.9	9.0	8.8	8.8	-26.5	-26.3	-46.2	0.0		
3.50	4.4	2488.6	2492.4	2491.0	9.0	8.8	8.8	-26.5	-26.4	-46.2	0.0		
3.75	4.4	2489.6	2493.5	2492.1	9.0	8.8	8.8	-26.6	-26.4	-46.8	0.1		
4.00	4.3	2490.7	2494.6	2493.2	9.0	8.8	8.8	-26.7	-26.3	-47.3	0.0		
4.25	4.3	2491.8	2495.7	2494.3	9.0	8.8	8.8	-26.7	-26.3	-48.0	0.0		
4.50	4.3	2492.9	2496.8	2495.4	9.0	8.8	8.7	-26.9	-26.4	-48.7	0.0		
4.75	4.3	2494.0	2497.8	2496.4	9.0	8.8	8.7	-26.9	-26.5	-49.1	0.0		
5.00	4.3	2495.0	2498.9	2497.5	9.0	8.8	8.7	-27.0	-26.6	-49.0	0.0		
5.25	4.3	2496.1	2500.0	2498.6	9.0	8.8	8.7	-27.0	-26.8	-49.5	0.0		
5.50	4.2	2497.1	2501.0	2499.6	9.0	8.8	8.7	-27.0	-26.9	-49.0	0.0		
5.75	4.2	2498.2	2502.1	2500.7	9.0	8.8	8.7	-27.1	-27.0	-48.7	0.0		
6.00	4.2	2499.2	2503.2	2501.7	9.0	8.8	8.7	-27.1	-26.9	-48.3	0.0		
6.25	4.2	2500.3	2504.2	2502.8	9.0	8.8	8.7	-27.2	-26.7	-48.0	0.1		
6.50	4.1	2501.3	2505.2	2503.8	9.0	8.8	8.7	-27.2	-26.5	-47.5	0.1		
6.75	4.1	2502.3	2506.3	2504.9	8.9	8.8	8.7	-27.2	-26.3	-47.1	0.1		
7.00	4.1	2503.4	2507.3	2505.9	8.9	8.8	8.7	-27.3	-26.1	-47.1	0.1		

**Notes**

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