

# Voltage Controlled Oscillator

# ROS-95-419+

## 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	5.68	84.0	83.4	83.0	4.26	4.72	4.70	-16.5	-37.8	-53.8	0.46	1	-101
0.3	4.99	85.4	84.8	84.5	4.42	4.88	4.91	-16.9	-38.0	-53.9	0.38	10	-125
0.5	4.72	86.6	86.1	85.7	4.53	4.98	5.03	-17.2	-38.5	-53.6	0.36	100	-146
0.8	4.68	87.7	87.2	86.9	4.60	5.03	5.09	-17.6	-39.0	-53.1	0.40	1000	-162
1.0	4.60	88.9	88.4	88.1	4.64	5.04	5.10	-17.9	-39.5	-52.9	0.44		
1.3	4.51	90.1	89.6	89.2	4.64	5.03	5.08	-18.3	-39.9	-53.1	0.41		
1.5	4.47	91.2	90.7	90.4	4.64	5.02	5.07	-18.6	-40.2	-53.3	0.37		
1.8	4.46	92.3	91.8	91.5	4.63	5.00	5.05	-19.0	-40.5	-53.4	0.34		
2.0	4.46	93.5	92.9	92.6	4.63	4.98	5.03	-19.3	-40.7	-53.3	0.33		
2.3	4.48	94.6	94.0	93.7	4.62	4.96	5.01	-19.7	-41.0	-53.4	0.32		
2.5	4.50	95.7	95.2	94.8	4.61	4.94	4.99	-20.0	-41.2	-53.4	0.32		
2.8	4.51	96.8	96.3	95.9	4.60	4.91	4.96	-20.3	-41.5	-53.3	0.33		
3.0	4.52	98.0	97.4	97.0	4.58	4.88	4.93	-20.6	-41.8	-53.3	0.34		
3.3	4.52	99.1	98.5	98.2	4.56	4.85	4.90	-21.0	-42.1	-53.3	0.36		
3.5	4.52	100.2	99.7	99.3	4.53	4.81	4.86	-21.3	-42.3	-53.3	0.39		
3.8	4.51	101.3	100.8	100.4	4.50	4.77	4.81	-21.5	-42.6	-53.1	0.42		
4.0	4.48	102.5	101.9	101.6	4.45	4.71	4.75	-21.8	-43.0	-53.0	0.46		
4.3	4.46	103.6	103.0	102.7	4.39	4.65	4.68	-22.1	-43.2	-52.6	0.49		
4.5	4.43	104.7	104.2	103.8	4.33	4.58	4.61	-22.3	-43.4	-52.3	0.53		
4.8	4.38	105.8	105.3	104.9	4.25	4.50	4.53	-22.5	-43.7	-51.9	0.57		
5.0	4.34	106.8	106.4	106.0	4.17	4.42	4.44	-22.8	-43.8	-51.7	0.60		
5.3	4.28	107.9	107.4	107.1	4.09	4.33	4.35	-23.1	-43.9	-51.5	0.64		
5.5	4.21	109.0	108.5	108.2	4.00	4.24	4.25	-23.3	-43.9	-51.3	0.67		
5.8	4.15	110.0	109.6	109.2	3.90	4.14	4.15	-23.5	-43.9	-51.0	0.70		
6.0	4.07	111.0	110.6	110.3	3.80	4.04	4.04	-23.7	-43.9	-50.8	0.73		

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