

# Voltage Controlled Oscillator

# ROS-404-219+

## 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	24.14	345.4	341.7	338.8	0.68	1.38	1.30	-19.10	-46.66	-47.88	0.91	1	-88
0.25	21.61	351.2	347.8	345.1	0.76	1.51	1.46	-20.33	-45.30	-46.70	0.67	10	-113
0.50	20.21	356.5	353.2	350.6	0.85	1.63	1.57	-20.79	-45.60	-46.68	0.55	100	-133
0.75	19.37	361.5	358.2	355.7	0.94	1.73	1.67	-21.06	-45.28	-47.01	0.48	1000	-154
1.00	18.88	366.4	363.1	360.6	1.03	1.82	1.76	-21.68	-44.18	-46.96	0.44		
1.25	18.59	371.1	367.8	365.3	1.13	1.90	1.83	-21.99	-44.71	-47.69	0.41		
1.50	18.46	375.8	372.4	370.0	1.21	1.95	1.90	-21.70	-45.22	-48.26	0.41		
1.75	18.41	380.4	377.1	374.5	1.28	2.00	1.96	-21.37	-44.56	-48.96	0.41		
2.00	18.42	385.0	381.7	379.1	1.35	2.03	2.00	-22.05	-44.16	-48.84	0.42		
2.25	18.45	389.6	386.3	383.7	1.41	2.04	2.05	-23.11	-43.78	-49.35	0.43		
2.50	18.48	394.2	390.9	388.3	1.44	2.04	2.08	-23.53	-42.61	-50.77	0.45		
2.75	18.49	398.8	395.5	392.8	1.43	2.02	2.11	-23.35	-41.63	-52.15	0.47		
3.00	18.38	403.5	400.1	397.4	1.33	2.00	2.13	-23.66	-40.78	-53.65	0.48		
3.25	18.12	408.1	404.7	401.9	1.20	1.98	2.16	-24.72	-40.19	-55.36	0.48		
3.50	17.98	412.7	409.2	406.4	1.18	1.99	2.18	-25.54	-40.96	-57.99	0.50		
3.75	17.48	417.2	413.7	410.9	1.13	1.97	2.19	-25.51	-40.53	-61.90	0.51		
4.00	16.99	421.7	418.1	415.2	1.09	1.99	2.20	-24.85	-40.49	-64.54	0.50		
4.25	16.82	426.0	422.4	419.5	1.10	2.00	2.17	-24.75	-42.45	-66.09	0.55		
4.50	16.60	430.2	426.6	423.7	1.05	1.93	2.11	-25.52	-43.42	-62.02	0.62		
4.75	16.23	434.3	430.7	427.9	0.97	1.84	2.04	-26.20	-42.37	-56.99	0.66		
5.00	15.80	438.4	434.8	431.9	0.86	1.74	1.97	-26.19	-41.19	-52.81	0.67		
5.25	15.34	442.3	438.7	435.8	0.73	1.64	1.89	-25.79	-41.49	-50.73	0.66		
5.50	14.89	446.2	442.6	439.6	0.59	1.53	1.81	-25.61	-41.60	-50.92	0.64		
5.75	14.43	449.9	446.3	443.3	0.44	1.42	1.71	-26.19	-40.97	-50.68	0.62		
6.00	13.98	453.5	449.9	446.9	0.29	1.30	1.62	-27.00	-40.92	-49.74	0.59		
6.25	13.55	457.1	453.4	450.4	0.15	1.18	1.52	-27.51	-41.25	-47.75	0.56		
6.50	13.14	460.5	456.8	453.7	0.00	1.05	1.41	-27.60	-41.02	-45.33	0.53		
6.75	12.74	463.8	460.1	457.0	-0.14	0.93	1.30	-27.47	-40.14	-44.25	0.49		
7.00	12.74	467.0	463.2	460.1	-0.29	0.81	1.19	-27.42	-39.40	-43.55	0.46		

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