

# Voltage Controlled Oscillator

# ROS-205PV+

## 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			
0.2	24.82	160.3	156.9	154.7	3.20	2.97	2.15	-33.2	-37.7	-47.7	1.14	1	-88
0.3	22.82	163.5	160.3	158.2	3.42	2.94	2.22	-34.8	-37.7	-47.3	0.96	10	-110
0.5	20.87	166.5	163.4	161.3	3.43	3.16	2.31	-35.7	-37.7	-46.0	0.83	100	-131
0.6	19.45	169.4	166.3	164.3	3.40	3.17	2.55	-35.8	-37.7	-45.8	0.73	1000	-151
0.8	18.22	172.0	169.1	167.1	3.37	3.15	2.59	-35.5	-38.0	-44.8	0.66		
0.9	17.30	174.5	171.7	169.7	3.40	3.13	2.59	-35.0	-38.0	-44.3	0.59		
1.1	16.59	177.0	174.2	172.2	3.37	3.16	2.60	-34.3	-38.0	-43.3	0.54		
1.2	15.86	179.3	176.5	174.6	3.22	3.14	2.65	-33.7	-38.2	-43.2	0.50		
1.4	15.34	181.6	178.8	176.9	3.18	3.00	2.64	-33.2	-38.3	-42.5	0.46		
1.5	14.85	183.8	181.1	179.2	3.28	2.97	2.52	-32.7	-38.5	-42.0	0.43		
1.7	14.49	185.9	183.2	181.3	3.24	3.08	2.50	-32.2	-38.5	-41.5	0.41		
1.8	14.04	188.0	185.3	183.5	3.15	3.05	2.63	-31.5	-38.3	-40.8	0.38		
2.0	13.73	190.0	187.4	185.5	3.09	3.01	2.61	-31.3	-38.7	-40.5	0.37		
2.1	13.45	192.0	189.4	187.6	3.03	2.94	2.55	-31.0	-38.5	-40.2	0.35		
2.3	13.11	193.9	191.4	189.5	2.95	2.89	2.51	-30.8	-38.7	-39.7	0.33		
2.4	12.84	195.8	193.3	191.5	2.89	2.82	2.48	-30.3	-38.7	-39.5	0.32		
2.6	12.64	197.6	195.2	193.4	2.77	2.77	2.41	-30.2	-38.7	-39.0	0.32		
2.7	12.32	199.4	197.1	195.2	2.72	2.72	2.38	-29.8	-38.8	-39.0	0.31		
2.9	12.08	201.2	198.9	197.1	2.64	2.62	2.33	-29.8	-39.0	-38.5	0.30		
3.0	11.81	203.0	200.6	198.9	2.46	2.56	2.24	-29.5	-39.0	-38.3	0.30		
3.2	11.62	204.7	202.4	200.6	2.40	2.50	2.19	-29.5	-39.2	-38.2	0.31		
3.3	11.29	206.4	204.1	202.3	2.33	2.33	2.14	-29.3	-39.5	-38.3	0.31		
3.5	11.05	208.0	205.7	204.0	2.18	2.26	1.98	-29.2	-39.5	-38.0	0.31		
3.6	10.89	209.6	207.4	205.7	2.10	2.20	1.92	-29.0	-39.7	-37.8	0.32		
3.8	10.60	211.2	209.0	207.3	2.03	2.06	1.87	-29.0	-40.0	-37.8	0.33		
3.9	10.35	212.7	210.5	208.9	2.00	1.99	1.73	-28.8	-40.0	-37.5	0.34		
4.1	10.13	214.2	212.0	210.4	1.93	1.92	1.67	-28.7	-40.3	-37.3	0.35		
4.2	9.89	215.7	213.5	211.9	1.86	1.89	1.61	-28.5	-40.5	-37.2	0.36		
4.4	9.61	217.2	214.9	213.4	1.78	1.82	1.58	-28.5	-40.5	-37.5	0.37		
4.5	9.36	218.6	216.4	214.8	1.64	1.75	1.52	-28.3	-40.7	-37.2	0.38		
4.7	9.15	219.9	217.7	216.2	1.56	1.61	1.46	-28.5	-40.8	-37.2	0.39		
4.8	8.87	221.3	219.1	217.5	1.48	1.54	1.32	-28.3	-41.0	-37.0	0.39		
5.0	8.63	222.5	220.3	218.8	1.35	1.48	1.26	-28.2	-41.2	-36.8	0.40		
5.1	8.41	223.8	221.6	220.1	1.28	1.41	1.18	-28.2	-41.2	-36.8	0.41		
5.3	8.11	225.0	222.8	221.3	1.20	1.29	1.13	-28.2	-41.7	-36.8	0.41		
5.4	7.90	226.2	224.0	222.5	1.11	1.22	1.02	-28.0	-41.2	-36.7	0.41		
5.6	7.65	227.4	225.2	223.7	1.04	1.15	0.94	-27.8	-41.7	-36.8	0.42		
5.7	7.47	228.5	226.3	224.8	0.90	1.08	0.88	-27.8	-41.7	-36.5	0.43		
5.9	7.21	229.6	227.4	225.9	0.83	1.01	0.81	-28.0	-41.8	-36.7	0.43		
6.0	7.01	230.6	228.4	226.9	0.75	0.87	0.76	-27.8	-42.3	-36.5	0.43		

