

# Voltage Controlled Oscillator

ROS-638+

## 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	30.94	570.2	568.6	567.3	6.55	5.84	5.43	-21.9	-30.6	-30.3	1.19	1	-88
0.25	27.98	578.2	576.4	574.8	6.49	5.98	5.67	-22.7	-30.7	-29.8	1.60	10	-113
0.50	25.18	585.5	583.4	581.6	6.32	6.03	5.80	-23.2	-31.2	-28.8	1.19	100	-133
0.75	23.46	592.0	589.7	587.7	6.24	6.10	5.92	-23.7	-31.6	-28.6	0.95	1000	-153
1.00	22.26	598.1	595.5	593.5	6.22	6.18	6.03	-23.9	-32.0	-28.1	0.81		
1.25	21.35	603.8	601.1	598.9	6.25	6.27	6.13	-24.1	-32.9	-27.7	0.71		
1.50	20.64	609.3	606.4	604.1	6.32	6.37	6.23	-24.5	-33.8	-27.6	0.66		
1.75	20.09	614.6	611.6	609.2	6.40	6.48	6.33	-24.5	-34.9	-27.8	0.62		
2.00	19.61	619.7	616.6	614.1	6.50	6.58	6.42	-24.2	-36.0	-27.6	0.61		
2.25	19.16	624.8	621.5	618.9	6.60	6.68	6.50	-24.0	-37.1	-27.3	0.59		
2.50	18.75	629.7	626.3	623.6	6.71	6.78	6.58	-24.1	-38.5	-27.4	0.59		
2.75	18.40	634.5	631.0	628.2	6.82	6.87	6.64	-24.0	-39.7	-27.6	0.59		
3.00	18.24	639.2	635.6	632.8	6.90	6.94	6.69	-23.8	-40.7	-27.7	0.62		
3.25	18.04	643.9	640.1	637.3	6.97	6.98	6.71	-23.8	-41.5	-27.6	0.65		
3.50	17.94	648.5	644.6	641.9	7.01	7.00	6.69	-24.1	-41.9	-27.9	0.70		
3.75	18.20	653.0	649.1	646.5	7.02	7.00	6.65	-24.1	-41.7	-28.4	0.81		
4.00	18.78	657.5	653.7	651.2	6.98	6.93	6.55	-23.9	-40.8	-29.0	1.05		
4.25	19.25	662.0	658.4	655.9	6.91	6.81	6.43	-23.8	-39.6	-29.4	1.33		
4.50	19.44	666.5	663.2	660.7	6.77	6.65	6.32	-24.0	-38.5	-30.2	1.49		
4.75	19.22	671.3	668.0	665.4	6.57	6.49	6.22	-24.3	-37.7	-31.1	1.49		
5.00	18.81	676.2	672.9	670.0	6.36	6.36	6.14	-24.5	-37.3	-32.0	1.40		
5.25	18.60	681.1	677.6	674.6	6.17	6.26	6.08	-24.6	-37.6	-32.3	1.30		
5.50	18.30	685.9	682.2	679.1	6.03	6.16	6.02	-24.8	-38.2	-32.2	1.21		
5.75	17.98	690.6	686.8	683.5	5.91	6.09	5.96	-24.6	-38.6	-32.2	1.12		
6.00	17.70	695.2	691.3	687.9	5.82	6.03	5.91	-24.3	-39.1	-32.1	1.05		
6.25	17.40	699.7	695.7	692.2	5.74	5.97	5.86	-24.1	-39.7	-31.8	0.98		
6.50	17.27	704.2	700.1	696.5	5.67	5.92	5.81	-24.0	-40.5	-31.1	0.93		
6.75	17.05	708.6	704.4	700.7	5.59	5.85	5.76	-23.8	-41.3	-30.9	0.89		
7.00	17.05	713.0	708.6	704.9	5.51	5.78	5.69	-23.5	-42.6	-30.5	0.85		

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