

Voltage Controlled Oscillator

ROS-690+

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	13.53	641.3	638.5	635.3	-1.64	-1.03	-0.65	-24.4	-37.1	-33.3	0.23	1	-89
0.3	12.53	644.6	641.9	638.8	-1.62	-1.00	-0.63	-24.3	-37.2	-33.2	0.26	10	-112
0.5	12.01	647.7	645.0	642.0	-1.59	-0.98	-0.60	-24.2	-37.3	-33.3	0.28	100	-131
0.8	11.75	650.8	648.0	645.0	-1.58	-0.96	-0.58	-24.0	-37.5	-33.1	0.30	1000	-152
1.0	11.66	653.7	650.9	648.0	-1.56	-0.95	-0.57	-24.0	-37.7	-32.7	0.31		
1.3	11.69	656.7	653.9	650.8	-1.55	-0.94	-0.56	-24.1	-37.9	-32.6	0.32		
1.5	11.79	659.6	656.8	653.7	-1.55	-0.93	-0.55	-24.1	-38.2	-32.6	0.33		
1.8	11.94	662.6	659.7	656.6	-1.54	-0.92	-0.55	-24.2	-38.3	-32.6	0.34		
2.0	12.12	665.7	662.7	659.6	-1.55	-0.93	-0.55	-24.2	-38.6	-32.6	0.34		
2.3	12.30	668.7	665.7	662.6	-1.55	-0.93	-0.55	-24.1	-38.9	-32.7	0.35		
2.5	12.47	671.9	668.8	665.6	-1.56	-0.94	-0.56	-24.0	-39.2	-32.6	0.35		
2.8	12.61	675.0	671.9	668.7	-1.57	-0.95	-0.58	-23.9	-39.5	-32.3	0.35		
3.0	12.71	678.2	675.1	671.8	-1.59	-0.98	-0.60	-23.8	-39.9	-32.2	0.34		
3.3	12.76	681.5	678.3	674.9	-1.61	-1.00	-0.63	-23.8	-40.4	-32.2	0.34		
3.5	12.75	684.7	681.5	678.1	-1.64	-1.03	-0.66	-23.7	-40.7	-32.2	0.34		
3.8	12.67	687.9	684.6	681.2	-1.68	-1.07	-0.69	-23.6	-41.0	-32.2	0.33		
4.0	12.54	691.1	687.8	684.3	-1.73	-1.11	-0.73	-23.5	-41.4	-32.1	0.33		
4.3	12.36	694.3	690.9	687.4	-1.78	-1.15	-0.77	-23.3	-41.8	-32.1	0.32		
4.5	12.15	697.4	694.0	690.5	-1.83	-1.20	-0.82	-23.2	-42.4	-32.2	0.32		
4.8	11.91	700.5	697.1	693.5	-1.89	-1.25	-0.87	-23.1	-43.1	-32.2	0.32		
5.0	11.65	703.5	700.1	696.5	-1.95	-1.30	-0.93	-23.0	-43.7	-32.1	0.32		
5.3	11.39	706.4	703.0	699.4	-2.00	-1.35	-0.99	-22.9	-44.4	-32.1	0.32		
5.5	11.13	709.3	705.8	702.2	-2.06	-1.41	-1.05	-22.8	-45.3	-32.2	0.31		
5.8	10.87	712.1	708.6	705.0	-2.12	-1.48	-1.12	-22.6	-46.0	-32.1	0.31		
6.0	10.62	714.9	711.3	707.7	-2.19	-1.54	-1.18	-22.6	-46.7	-32.1	0.31		
6.3	10.39	717.5	714.0	710.4	-2.26	-1.61	-1.26	-22.5	-47.2	-32.4	0.30		
6.5	10.16	720.2	716.6	713.0	-2.33	-1.69	-1.33	-22.4	-47.6	-32.7	0.29		
6.8	9.96	722.7	719.1	715.5	-2.41	-1.77	-1.41	-22.3	-47.9	-32.8	0.28		
7.0	9.96	725.2	721.6	718.0	-2.49	-1.85	-1.49	-22.2	-48.2	-32.9	0.27		

REV. X1
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Page 1 of 1



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