

Voltage Controlled Oscillator

ROS-715+

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	14.02	665.0	662.3	660.1	-1.10	-0.77	-0.64	-21.0	-29.1	-28.2	0.08	1	-91
0.3	12.92	668.4	665.9	663.7	-1.10	-0.75	-0.61	-21.1	-29.4	-28.2	0.01	10	-113
0.5	12.34	671.6	669.1	667.0	-1.09	-0.72	-0.58	-21.2	-29.6	-27.9	0.03	100	-133
0.8	12.04	674.7	672.2	670.0	-1.07	-0.70	-0.55	-21.4	-30.1	-27.8	0.07	1000	-152
1.0	11.93	677.8	675.2	673.0	-1.06	-0.67	-0.51	-21.5	-30.5	-27.8	0.09		
1.3	11.93	680.8	678.2	676.0	-1.05	-0.65	-0.48	-21.6	-30.9	-27.8	0.12		
1.5	12.01	683.8	681.1	678.9	-1.04	-0.63	-0.46	-21.7	-31.2	-27.9	0.13		
1.8	12.13	686.9	684.1	681.9	-1.02	-0.61	-0.44	-21.6	-31.5	-27.8	0.15		
2.0	12.27	690.0	687.2	684.9	-0.99	-0.58	-0.41	-21.6	-31.7	-27.8	0.16		
2.3	12.42	693.1	690.2	687.9	-0.97	-0.56	-0.39	-21.6	-31.9	-27.8	0.16		
2.5	12.55	696.3	693.4	691.0	-0.94	-0.53	-0.37	-21.6	-32.1	-27.8	0.15		
2.8	12.68	699.5	696.5	694.1	-0.91	-0.51	-0.35	-21.6	-32.4	-28.0	0.14		
3.0	12.76	702.7	699.7	697.2	-0.88	-0.49	-0.34	-21.7	-32.6	-28.3	0.12		
3.3	12.81	706.0	702.9	700.4	-0.85	-0.48	-0.33	-21.7	-32.9	-28.5	0.09		
3.5	12.83	709.2	706.1	703.6	-0.83	-0.47	-0.32	-21.7	-33.2	-28.4	0.05		
3.8	12.81	712.4	709.3	706.7	-0.82	-0.48	-0.33	-21.7	-33.3	-28.2	0.00		
4.0	12.73	715.5	712.5	709.9	-0.82	-0.50	-0.34	-21.8	-33.5	-28.5	0.04		
4.3	12.57	718.7	715.6	713.1	-0.84	-0.52	-0.35	-21.9	-33.7	-28.7	0.06		
4.5	12.34	721.8	718.8	716.2	-0.88	-0.54	-0.36	-21.8	-33.9	-28.8	0.08		
4.8	12.07	724.9	721.9	719.2	-0.93	-0.56	-0.38	-21.8	-34.4	-28.7	0.08		
5.0	11.77	728.0	724.9	722.2	-0.98	-0.58	-0.40	-21.6	-34.4	-28.6	0.09		
5.3	11.48	731.1	727.8	725.1	-1.03	-0.59	-0.42	-21.5	-34.4	-28.6	0.09		
5.5	11.19	734.0	730.7	728.0	-1.06	-0.61	-0.44	-21.5	-34.6	-28.8	0.09		
5.8	10.93	736.9	733.5	730.8	-1.09	-0.63	-0.46	-21.5	-34.7	-28.9	0.10		
6.0	10.69	739.7	736.2	733.5	-1.12	-0.66	-0.49	-21.5	-34.7	-29.0	0.12		
6.3	10.48	742.4	738.9	736.2	-1.15	-0.70	-0.53	-21.6	-34.7	-29.7	0.15		
6.5	10.30	745.0	741.5	738.8	-1.19	-0.75	-0.57	-21.6	-34.6	-29.9	0.18		
6.8	10.13	747.5	744.1	741.4	-1.23	-0.80	-0.62	-21.5	-34.6	-30.3	0.22		
7.0	10.13	750.1	746.6	743.9	-1.29	-0.86	-0.68	-21.3	-34.6	-30.6	0.26		

REV. X1

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