

Voltage Controlled Oscillator

ROS-EDR4241/1

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			
0.3	192.80	2987.0	2973.6	2956.6	0.96	-0.58	-0.08	-22.8	-28.0	-52.2	0.77	1	-61
0.5	165.90	3020.0	3015.0	2993.7	1.77	-0.73	-0.80	-15.7	-22.4	-51.0	0.45	10	-91
0.8	103.40	3056.1	3040.9	3022.0	0.42	0.33	0.45	-16.6	-24.0	-57.1	1.79	100	-112
1.0	84.70	3080.6	3062.1	3043.3	1.05	1.00	0.66	-19.4	-25.1	-56.4	4.22	1000	-133
1.3	81.20	3097.0	3082.4	3079.6	1.69	1.14	-0.98	-16.9	-23.1	-50.0	3.58		
1.5	87.30	3118.8	3104.2	3096.8	0.94	0.73	-0.11	-13.6	-24.4	-52.1	2.30		
1.8	93.40	3138.8	3127.6	3110.9	0.37	-0.16	0.19	-13.3	-23.5	-52.0	0.32		
2.0	63.20	3164.8	3143.4	3130.9	-1.09	-0.27	-0.41	-13.0	-23.7	-49.6	0.19		
2.3	70.90	3184.1	3161.1	3144.5	-1.35	-0.58	-0.37	-17.0	-25.4	-43.1	1.98		
2.5	62.20	3196.7	3176.6	3165.9	-0.96	-1.01	-1.68	-16.7	-24.6	-46.1	4.16		
2.8	58.90	3206.9	3191.4	3189.3	-0.57	-1.27	-2.79	-15.0	-24.8	-40.0	4.93		
3.0	86.00	3223.4	3212.9	3201.2	-1.19	-2.55	-2.45	-12.4	-23.6	-40.1	2.50		
3.3	94.50	3244.0	3236.5	3210.6	-1.68	-3.63	-2.03	-9.4	-20.9	-41.0	2.88		
3.5	63.70	3254.5	3252.4	3221.1	-1.22	-3.47	-1.95	-8.1	-20.6	-41.3	3.65		
3.8	54.30	3262.0	3266.0	3238.9	-0.69	-2.84	-2.93	-10.2	-20.7	-40.2	3.20		
4.0	42.50	3269.8	3276.6	3253.2	-0.64	-2.21	-2.85	-10.2	-23.2	-38.5	1.98		
4.3	41.50	3308.7	3287.0	3261.5	-2.53	-1.96	-2.26	-13.1	-24.6	-40.1	0.77		
4.5	35.30	3318.4	3295.8	3267.8	-1.46	-1.25	-1.78	-12.1	-25.1	-40.5	0.58		
4.8	27.10	3325.3	3302.6	3274.8	-0.63	-0.73	-1.66	-13.5	-26.0	-40.3	1.86		
5.0	26.10	3330.4	3309.1	3315.3	-0.13	-0.51	-4.38	-13.4	-25.7	-38.9	3.84		