

Voltage Controlled Oscillator

ROS-3146-119+

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	59.63	2912.9	2899.8	2890.4	8.38	7.99	7.01	-31.7	-25.8	-50.3	3.34	1	-72.38
0.3	54.84	2927.2	2914.7	2905.9	8.60	8.24	7.19	-29.5	-25.3	-52.4	3.07	10	-102.24
0.5	52.92	2941.0	2928.4	2919.6	8.79	8.44	7.35	-28.5	-24.7	-45.4	2.87	100	-124.48
0.8	52.68	2954.4	2941.7	2932.8	8.96	8.62	7.54	-28.2	-25.7	-46.1	2.78	1000	-144.43
1.0	53.04	2967.6	2954.8	2946.0	9.13	8.75	7.70	-27.3	-24.7	-43.0	2.71		
1.3	53.55	2980.9	2968.1	2959.1	9.26	8.88	7.85	-26.9	-25.6	-45.7	2.66		
1.5	53.97	2994.4	2981.5	2972.3	9.41	9.00	7.98	-27.0	-25.8	-41.4	2.58		
1.8	54.67	3007.9	2995.0	2985.7	9.54	9.11	8.07	-26.6	-24.5	-42.6	2.48		
2.0	55.55	3021.7	3008.7	2999.4	9.65	9.20	8.15	-25.8	-25.8	-40.2	2.38		
2.3	57.44	3035.8	3022.5	3013.3	9.76	9.29	8.16	-25.2	-24.6	-41.2	2.27		
2.5	59.80	3050.4	3036.9	3027.5	9.86	9.36	8.17	-25.8	-24.5	-38.4	2.17		
2.8	62.05	3065.5	3051.8	3042.3	9.96	9.41	8.18	-26.4	-25.6	-40.3	2.10		
3.0	63.58	3081.2	3067.4	3057.7	10.01	9.47	8.22	-25.2	-25.3	-40.0	2.10		
3.3	64.27	3097.1	3083.3	3073.5	10.05	9.51	8.24	-24.7	-25.5	-41.4	2.21		
3.5	63.04	3112.8	3099.3	3089.7	10.11	9.53	8.31	-26.1	-24.1	-39.5	2.40		
3.8	61.80	3128.2	3115.1	3105.8	10.13	9.57	8.32	-25.0	-25.1	-39.3	2.64		
4.0	61.42	3143.6	3130.5	3121.6	10.12	9.54	8.26	-23.5	-25.6	-36.0	2.96		
4.3	60.91	3159.0	3145.9	3137.2	10.09	9.47	8.10	-24.4	-26.5	-39.4	3.32		
4.5	58.42	3173.9	3161.1	3152.7	10.13	9.42	7.96	-25.3	-26.2	-37.6	3.69		
4.8	54.36	3188.1	3175.7	3167.7	10.16	9.45	7.94	-24.0	-27.1	-36.7	3.94		
5.0	50.40	3201.1	3189.3	3181.8	10.20	9.46	7.98	-23.3	-26.9	-36.9	4.11		
5.3	45.83	3213.2	3201.9	3194.7	10.22	9.47	8.01	-24.3	-27.3	-39.5	4.17		
5.5	41.03	3224.2	3213.4	3206.5	10.23	9.47	8.02	-25.1	-26.7	-38.5	4.05		
5.8	36.34	3234.3	3223.6	3217.0	10.24	9.45	7.98	-24.9	-25.8	-40.4	3.82		
6.0	31.86	3243.3	3232.7	3226.2	10.22	9.43	7.92	-24.1	-25.3	-39.1	3.49		
6.3	27.78	3251.2	3240.7	3234.3	10.18	9.40	7.86	-23.7	-26.7	-39.1	3.09		
6.5	24.14	3258.2	3247.6	3241.3	10.17	9.34	7.78	-23.9	-27.3	-42.3	2.66		
6.8	20.96	3264.2	3253.7	3247.4	10.14	9.30	7.70	-24.4	-26.9	-44.5	2.25		
7.0	20.96	3269.4	3258.9	3252.6	10.12	9.28	7.63	-24.7	-26.2	-45.3	1.87		

