

Voltage Controlled Oscillator

ROS-EDR11010MP

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	122.11	2767.7	2749.2	2732.9	4.13	4.48	4.77	-23.3	-33.3	-35.3	4.74	1	-70
0.3	112.64	2796.8	2779.8	2765.1	4.22	4.48	4.52	-23.6	-33.3	-35.6	4.74	10	-96
0.5	106.24	2824.0	2807.9	2793.7	4.17	4.59	4.66	-22.4	-32.4	-35.8	4.61	100	-117
0.8	101.12	2850.0	2834.5	2820.8	4.12	4.44	4.68	-22.6	-31.5	-38.2	4.22	1000	-137
1.0	101.63	2875.4	2859.8	2847.0	4.10	4.40	4.54	-21.6	-30.8	-39.1	3.97		
1.3	98.82	2900.3	2885.2	2872.1	4.16	4.43	4.49	-22.2	-30.8	-39.1	3.46		
1.5	97.28	2924.9	2909.9	2897.1	4.08	4.44	4.58	-21.8	-32.1	-39.1	3.20		
1.8	97.79	2949.6	2934.2	2921.6	3.94	4.34	4.53	-21.9	-32.3	-40.3	2.82		
2.0	94.46	2973.9	2958.7	2945.8	3.98	4.23	4.37	-21.8	-33.3	-39.8	2.56		
2.3	92.42	2997.5	2982.3	2969.7	4.04	4.37	4.31	-22.3	-34.1	-38.8	2.18		
2.5	91.14	3021.1	3005.4	2992.6	3.86	4.36	4.46	-22.2	-36.0	-39.4	2.05		
2.8	86.27	3043.6	3028.2	3015.3	3.86	4.16	4.40	-22.1	-37.4	-38.5	1.66		
3.0	82.69	3065.1	3049.7	3037.3	3.90	4.20	4.17	-22.7	-37.8	-38.8	1.41		
3.3	80.64	3086.3	3070.4	3057.7	3.79	4.19	4.30	-22.8	-38.3	-39.8	1.28		
3.5	76.54	3106.5	3090.6	3077.6	3.65	4.12	4.26	-23.3	-40.3	-39.8	1.41		
3.8	69.12	3124.9	3109.7	3096.7	3.70	3.99	4.17	-23.4	-40.8	-39.7	1.28		
4.0	63.49	3142.1	3127.0	3114.6	3.69	4.02	4.05	-23.4	-41.7	-39.3	1.28		
4.3	58.11	3158.0	3142.8	3130.5	3.67	4.03	4.09	-23.4	-41.1	-40.2	1.41		
4.5	51.97	3172.2	3157.4	3145.1	3.59	3.98	4.08	-23.2	-40.5	-39.2	1.54		
4.8	46.85	3185.2	3170.4	3158.4	3.52	3.90	4.05	-23.4	-41.2	-40.2	1.66		
5.0	41.47	3196.5	3182.1	3170.1	3.53	3.83	3.99	-23.5	-40.6	-38.6	1.66		
5.3	35.58	3206.0	3192.4	3180.6	3.57	3.80	3.92	-22.7	-40.7	-38.6	2.05		
5.5	30.98	3214.8	3201.3	3189.9	3.60	3.84	3.87	-22.7	-41.2	-38.1	2.05		
5.8	28.42	3222.4	3209.1	3198.3	3.59	3.87	3.84	-22.5	-39.6	-38.3	2.30		
6.0	25.86	3229.3	3216.2	3205.4	3.53	3.88	3.88	-22.7	-39.8	-38.9	2.43		
6.25	23.04	3235.7	3222.7	3211.9	3.48	3.86	3.90	-22.4	-40.6	-38.0	2.30		
6.5	22.02	3241.5	3228.4	3217.9	3.45	3.83	3.91	-22.5	-39.1	-38.1	2.43		
6.8	20.48	3246.8	3233.9	3223.4	3.43	3.78	3.90	-21.8	-39.4	-37.8	2.43		
7.0	20.48	3251.7	3239.0	3228.5	3.42	3.74	3.86	-21.7	-38.7	-37.8	2.56		

Notes

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