

Voltage Controlled Oscillator

ROS-3250-519+

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	38.29	2486.5	2478.4	2474.6	3.17	3.25	2.41	-22.9	-30.0	-40.0	1.99	1	-73
0.5	34.26	2504.7	2497.5	2494.0	3.04	3.17	2.40	-22.7	-30.3	-37.9	2.10	10	-98
2.0	31.57	2553.4	2546.9	2543.2	3.29	3.27	2.52	-21.8	-31.1	-35.4	2.26	100	-119
3.0	32.95	2585.8	2578.5	2573.8	3.22	3.30	2.64	-22.2	-32.3	-38.8	2.54	1000	-139
4.0	34.79	2618.7	2611.4	2606.1	3.20	3.15	2.56	-21.8	-33.3	-42.8	2.49		
5.0	38.00	2654.4	2646.2	2639.9	3.29	3.32	2.70	-22.1	-33.6	-48.2	2.67		
6.0	41.07	2693.2	2684.2	2677.0	3.29	3.32	2.75	-22.1	-34.4	-52.4	2.73		
7.0	41.98	2734.4	2725.3	2717.1	3.27	3.23	2.81	-21.7	-37.5	-47.9	2.80		
8.0	44.23	2777.9	2767.3	2758.4	3.24	3.34	2.88	-21.4	-41.3	-44.3	2.89		
9.0	43.81	2821.4	2811.5	2801.8	3.38	3.15	2.79	-20.4	-56.6	-40.1	2.64		
10.0	43.16	2866.8	2855.3	2844.1	3.13	3.33	3.00	-20.1	-47.8	-39.9	2.85		
11.0	42.59	2910.2	2898.5	2887.4	3.44	3.43	2.81	-19.6	-46.8	-39.3	2.66		
12.0	40.64	2953.1	2941.0	2928.5	3.33	3.35	3.06	-19.5	-48.4	-40.2	2.78		
13.0	38.94	2994.4	2981.7	2968.8	3.39	3.47	2.99	-18.9	-51.2	-39.3	2.81		
14.0	37.85	3033.3	3020.6	3007.4	3.48	3.57	3.08	-18.4	-50.1	-39.7	2.75		
15.0	35.53	3071.5	3058.5	3044.2	3.36	3.55	3.17	-17.8	-50.1	-47.1	2.77		
16.0	33.95	3106.7	3094.0	3079.9	3.51	3.57	3.03	-17.1	-45.2	-48.0	2.75		
17.0	31.63	3141.4	3128.0	3113.0	3.42	3.58	3.18	-17.9	-39.4	-54.5	3.18		
18.0	28.92	3172.3	3159.6	3145.1	3.47	3.53	3.13	-17.6	-36.4	-51.5	3.00		
19.0	27.77	3201.6	3188.5	3174.4	3.31	3.49	3.00	-18.1	-35.0	-45.1	2.99		
20.0	25.16	3228.7	3216.3	3201.4	3.16	3.37	3.08	-18.0	-35.1	-37.9	2.99		
21.0	23.56	3254.0	3241.4	3227.0	3.15	3.24	2.97	-18.2	-34.3	-40.5	2.92		
22.0	21.36	3277.4	3265.0	3250.3	2.98	3.17	2.89	-18.3	-34.4	-39.5	2.89		
23.0	18.97	3298.4	3286.4	3271.8	2.92	3.07	2.82	-19.3	-33.7	-41.0	2.71		
24.0	17.06	3317.8	3305.3	3291.2	2.82	3.00	2.72	-19.5	-33.7	-42.6	2.60		
25.0	16.29	3335.8	3322.4	3308.2	2.74	2.91	2.70	-20.0	-32.4	-44.3	2.66		
26.0	16.29	3350.8	3338.7	3323.2	2.55	2.83	2.58	-20.4	-31.6	-46.6	2.46		

Notes

- A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
- B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
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