

Voltage Controlled Oscillator

ROS-EDR9835/1RE

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	82.16	1356.48	1340.27	1324.89	8.19	7.82	7.76	-14.94	-22.46	-31.19	0.32	1	-65
1.0	76.17	1437.42	1422.43	1407.20	8.21	7.87	7.75	-15.20	-20.30	-32.00	0.20	10	-91
2.0	78.29	1511.94	1498.60	1483.76	8.26	8.00	7.77	-15.96	-19.84	-41.04	0.10	100	-114
3.0	87.38	1590.88	1576.89	1562.31	8.16	7.98	7.79	-17.41	-19.32	-33.00	0.09	1000	-136
4.0	93.31	1679.41	1664.26	1648.87	8.17	7.98	7.76	-19.01	-19.68	-29.11	0.08		
5.0	94.48	1774.76	1757.57	1742.21	8.15	8.03	7.80	-21.93	-22.13	-26.98	0.80		
6.0	90.04	1870.31	1852.05	1836.72	8.24	8.09	7.74	-25.13	-23.05	-25.48	1.94		
7.0	89.49	1960.40	1942.10	1927.26	8.23	8.07	7.66	-23.77	-30.51	-25.37	3.51		
8.0	85.55	2051.15	2031.58	2017.59	8.33	8.10	7.61	-22.49	-23.60	-25.69	4.25		
9.0	80.01	2136.05	2117.14	2103.76	8.35	8.10	7.58	-21.20	-19.37	-27.86	3.97		
10.0	75.26	2215.83	2197.14	2184.60	8.33	8.05	7.50	-20.40	-18.99	-27.26	3.86		
11.0	70.08	2291.02	2272.40	2260.66	8.18	7.95	7.38	-19.17	-18.87	-28.01	4.03		
12.0	65.64	2360.65	2342.49	2332.07	8.10	7.87	7.26	-18.83	-18.19	-31.78	4.01		
13.0	59.66	2425.90	2408.12	2398.49	8.00	7.83	7.14	-18.36	-18.77	-35.71	4.02		
14.0	53.68	2486.73	2467.78	2458.22	7.79	7.65	6.98	-18.46	-19.28	-37.47	4.03		
15.0	49.09	2540.60	2521.46	2513.20	7.73	7.63	6.95	-18.69	-19.40	-36.99	4.03		
16.0	43.19	2589.82	2570.55	2562.20	7.65	7.53	6.83	-19.11	-19.20	-37.61	3.85		
17.0	39.81	2633.41	2613.74	2606.63	7.51	7.47	6.77	-19.85	-20.03	-34.29	3.87		
18.0	35.05	2674.11	2653.55	2645.99	7.42	7.36	6.67	-20.33	-20.35	-32.88	4.11		
19.0	30.61	2709.49	2688.60	2681.20	7.40	7.38	6.66	-20.64	-19.47	-34.19	3.59		
20.0	26.04	2740.57	2719.21	2711.50	7.38	7.30	6.66	-20.50	-21.29	-34.47	3.79		
21.0	21.59	2765.97	2745.25	2737.76	7.39	7.34	6.64	-20.87	-21.36	-35.11	3.27		
22.0	21.59	2788.72	2766.84	2759.22	7.29	7.34	6.69	-20.82	-22.43	-35.64	3.16		

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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