

Voltage Controlled Oscillator

ROS-EDR10437MP

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	108.02	1435.8	1409.4	1392.7	9.84	9.70	8.74	-15.72	-27.5	-40.1	3.14	1	-69
0.5	93.05	1485.1	1463.5	1451.4	9.66	9.56	8.59	-17.53	-28.8	-41.3	3.53	10	-93
1.0	91.99	1532.2	1510.0	1500.1	9.45	9.39	8.49	-19.28	-30.5	-41.7	3.73	100	-114
1.5	92.43	1577.2	1556.0	1547.8	9.35	9.33	8.42	-20.32	-30.9	-42.4	3.51	1000	-134
2.0	94.39	1623.3	1602.2	1594.7	9.28	9.23	8.33	-22.37	-31.0	-44.3	3.54		
2.5	98.93	1671.5	1649.4	1641.8	9.22	9.16	8.25	-24.93	-31.1	-46.9	3.65		
3.0	100.93	1720.1	1698.9	1690.7	9.22	9.18	8.23	-28.30	-31.0	-48.3	3.50		
3.5	102.81	1772.0	1749.3	1738.2	9.13	9.08	8.08	-34.77	-30.8	-49.6	3.53		
4.0	105.22	1822.6	1800.7	1785.0	9.09	9.12	7.78	-40.18	-31.7	-50.8	2.69		
4.5	112.34	1874.3	1853.3	1829.6	8.89	8.92	7.36	-32.45	-33.7	-54.6	1.97		
5.0	118.69	1933.0	1909.5	1878.6	8.87	8.82	6.94	-29.90	-36.8	-61.9	1.23		
5.5	112.34	1993.5	1968.8	1937.4	9.11	8.85	6.86	-29.14	-36.2	-56.8	1.10		
6.0	108.61	2050.3	2025.0	1999.4	9.25	8.94	7.07	-29.04	-36.7	-53.5	1.06		
6.5	100.16	2103.7	2079.3	2057.9	9.36	8.96	7.25	-29.29	-38.0	-53.1	1.10		
7.0	97.80	2154.3	2129.4	2112.1	9.33	8.96	7.50	-29.49	-39.6	-56.2	1.14		
7.5	90.96	2201.4	2178.3	2163.1	9.33	8.98	7.64	-29.76	-41.1	-58.9	1.19		
8.0	89.52	2246.6	2223.8	2210.4	9.17	8.89	7.84	-30.44	-42.6	-63.3	1.31		
8.5	82.65	2289.7	2268.5	2255.3	9.12	8.79	7.79	-30.74	-43.5	-62.7	1.46		
9.0	80.64	2331.0	2309.9	2297.7	8.98	8.70	7.93	-30.55	-44.3	-61.8	1.54		
9.5	77.76	2370.7	2350.2	2338.0	8.83	8.57	7.90	-30.63	-44.8	-62.0	1.62		
10.0	73.37	2408.8	2389.1	2376.8	8.68	8.46	7.84	-30.32	-46.5	-62.4	1.67		
10.5	70.14	2444.8	2425.7	2413.6	8.48	8.31	7.81	-30.37	-46.5	-64.2	1.70		
11.0	69.09	2480.9	2460.8	2448.2	8.36	8.13	7.69	-30.27	-46.7	-63.4	1.77		
11.5	62.21	2513.0	2495.4	2482.9	8.17	8.10	7.61	-30.23	-48.1	-64.3	1.59		
12.0	62.21	2545.8	2526.5	2513.3	8.00	7.89	7.52	-30.03	-48.4	-63.5	1.81		

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-Circuits' applicable established test performance criteria and measurement instructions.
 C. The parts covered by this specification document are subject to Mini-Circuits' standard limited warranty and terms and conditions (collectively, "Standard Terms"). Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCStore/terms.jsp

