

Voltage Controlled Oscillator

ROS-ED11920A/4

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			
0.00	94.34	1596.60	1574.60	1553.57	6.84	6.58	6.04	-19.19	-30.91	-51.55	6.78	1	-65
1.00	94.47	1690.17	1665.06	1646.53	6.42	6.17	5.64	-19.01	-42.45	-65.97	6.04	10	-88
2.00	100.99	1790.84	1762.68	1743.05	6.18	5.65	4.89	-19.33	-32.34	-56.63	6.51	100	-108
3.00	117.86	1904.84	1874.00	1853.12	5.75	5.11	4.00	-20.33	-32.87	-49.13	6.79	1000	-128
4.00	139.18	2036.37	2003.63	1982.35	5.47	4.92	3.64	-21.98	-37.10	-42.86	6.58		
5.00	153.37	2181.39	2150.76	2129.13	5.46	4.90	3.55	-22.26	-48.87	-43.75	5.54		
6.00	131.14	2319.16	2296.24	2279.50	5.77	5.17	3.81	-22.97	-44.51	-39.51	2.14		
7.00	122.91	2440.98	2424.82	2415.34	6.03	5.32	4.13	-27.01	-40.65	-38.59	1.04		
8.00	126.37	2565.26	2550.59	2540.86	5.74	5.04	4.07	-38.04	-39.74	-46.78	2.30		
9.00	112.71	2685.57	2667.21	2654.42	5.01	4.48	3.70	-28.51	-33.90	-46.10	3.54		
10.00	99.53	2791.26	2771.58	2757.05	4.52	3.99	3.25	-26.49	-37.99	-45.51	4.39		
11.00	90.43	2887.28	2866.74	2850.67	4.38	3.90	3.35	-27.09	-34.87	-43.68	5.12		
12.00	81.10	2973.85	2953.69	2936.40	3.92	3.36	2.75	-29.42	-41.26	-45.82	5.56		
13.00	76.14	3051.76	3031.37	3012.92	4.12	3.69	3.04	-31.02	-34.28	-63.17	6.12		
14.00	66.96	3122.19	3101.83	3083.57	3.84	3.28	2.63	-33.41	-31.02	-51.22	6.22		
15.00	60.05	3186.59	3167.31	3148.42	3.85	3.63	3.25	-36.95	-28.86	-50.67	6.51		
16.00	57.52	3245.17	3225.04	3205.63	3.15	2.77	2.41	-41.26	-28.64	-52.20	7.09		
17.00	49.43	3297.35	3278.64	3259.13	3.48	3.02	2.41	-45.72	-27.98	-53.01	7.20		
18.00	44.55	3344.24	3324.87	3305.42	3.63	3.41	2.96	-44.12	-28.05	-53.69	7.54		
19.00	41.32	3387.62	3368.62	3348.09	2.99	2.86	2.64	-40.43	-28.87	-59.55	8.07		
20.00	32.86	3424.90	3406.64	3386.97	2.94	2.66	2.35	-38.90	-28.57	-55.98	7.88		
21.00	32.66	3459.56	3440.57	3420.19	2.91	2.54	2.09	-36.95	-29.23	-57.21	8.44		
22.00	29.64	3490.79	3471.93	3450.93	3.06	2.84	2.38	-35.05	-29.90	-55.50	8.74		
23.00	24.70	3517.43	3499.18	3478.40	2.97	2.81	2.48	-34.06	-29.24	-61.00	8.56		
24.00	20.98	3540.47	3522.02	3501.43	2.64	2.46	2.17	-33.43	-29.35	-58.26	8.63		
25.00	17.48	3560.72	3541.08	3520.24	2.34	2.16	1.87	-32.59	-29.80	-54.00	8.92		
26.00	14.32	3577.37	3557.23	3535.38	2.03	1.81	1.51	-31.98	-30.60	-55.19	9.41		
27.00	11.32	3590.39	3570.19	3547.71	1.94	1.72	1.38	-31.40	-31.17	-58.47	9.47		
28.00	8.98	3600.43	3580.43	3557.83	1.92	1.70	1.34	-31.17	-30.89	-58.52	9.57		



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RF/IF MICROWAVE COMPONENTS

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