

Voltage Controlled Oscillator

ROS-924+

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	13.30	890.45	883.94	879.40	0.80	0.80	0.34	-30.36	-37.86	-45.41	0.13	1	-91
0.3	12.22	893.68	887.27	882.82	0.78	0.79	0.35	-30.59	-37.34	-45.24	0.20	10	-115
0.5	11.68	896.68	890.32	885.92	0.75	0.79	0.34	-30.64	-37.08	-44.94	0.23	100	-135
0.8	11.42	899.58	893.24	888.85	0.74	0.77	0.33	-30.76	-36.73	-44.57	0.26	1000	-154
1.0	11.30	902.42	896.10	891.70	0.76	0.78	0.35	-30.92	-36.48	-44.04	0.27		
1.3	11.31	905.25	898.92	894.52	0.79	0.80	0.37	-31.11	-36.23	-44.15	0.28		
1.5	11.39	908.09	901.75	897.34	0.79	0.80	0.39	-31.14	-35.93	-43.72	0.29		
1.8	11.54	910.95	904.60	900.17	0.79	0.81	0.39	-31.23	-35.62	-43.52	0.29		
2.0	11.65	913.84	907.48	903.03	0.79	0.81	0.41	-31.40	-35.34	-43.67	0.29		
2.3	11.79	916.76	910.39	905.93	0.80	0.83	0.43	-31.45	-35.21	-43.56	0.28		
2.5	11.92	919.71	913.34	908.87	0.81	0.83	0.44	-31.70	-35.09	-43.30	0.27		
2.8	11.97	922.70	916.32	911.84	0.81	0.83	0.45	-31.85	-34.94	-43.17	0.25		
3.0	12.08	925.68	919.32	914.82	0.80	0.82	0.44	-31.90	-34.80	-43.09	0.22		
3.3	12.03	928.66	922.34	917.82	0.78	0.81	0.44	-32.02	-34.84	-43.09	0.20		
3.5	11.94	931.63	925.34	920.84	0.77	0.79	0.43	-32.08	-34.68	-42.68	0.16		
3.8	11.84	934.59	928.33	923.85	0.76	0.79	0.44	-32.12	-34.47	-42.37	0.13		
4.0	11.72	937.51	931.29	926.82	0.74	0.78	0.43	-32.32	-34.33	-42.60	0.10		
4.3	11.56	940.40	934.22	929.76	0.73	0.78	0.43	-32.50	-34.43	-42.89	0.08		
4.5	11.36	943.26	937.11	932.65	0.73	0.77	0.44	-32.71	-34.42	-42.65	0.05		
4.8	11.17	946.08	939.94	935.51	0.72	0.76	0.42	-32.85	-34.57	-43.00	0.03		
5.0	11.00	948.85	942.74	938.31	0.70	0.74	0.42	-32.93	-34.34	-43.10	0.01		
5.3	10.78	951.57	945.49	941.06	0.69	0.74	0.42	-32.85	-34.28	-42.42	0.00		
5.5	10.54	954.24	948.18	943.76	0.66	0.68	0.38	-33.06	-34.19	-42.58	-0.01		
5.8	10.34	956.86	950.82	946.40	0.66	0.67	0.36	-33.29	-34.13	-42.72	-0.02		
6.0	10.12	959.43	953.40	948.98	0.65	0.67	0.35	-33.52	-34.22	-42.74	-0.02		
6.3	9.91	961.95	955.93	951.52	0.65	0.67	0.34	-33.63	-34.01	-42.93	-0.02		
6.5	9.72	964.42	958.41	954.00	0.64	0.67	0.35	-33.68	-33.81	-42.83	-0.02		
6.8	9.52	966.84	960.84	956.43	0.63	0.67	0.36	-33.90	-33.68	-42.46	-0.01		
7.0	9.52	969.21	963.22	958.81	0.62	0.67	0.36	-33.93	-33.72	-42.36	-0.01		

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