

Voltage Controlled Oscillator

ROS-1023-119+

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	38.22	901.2	895.3	890.7	5.72	6.33	6.19	-39.1	-26.5	-47.6	1.19	1	-81
0.20	35.39	908.6	902.9	898.6	5.81	6.41	6.28	-38.4	-26.8	-48.2	0.93	10	-110
0.50	32.78	918.9	913.5	909.4	5.89	6.50	6.39	-37.1	-26.6	-48.9	0.69	100	-131
0.75	31.75	927.0	921.7	917.6	5.93	6.54	6.44	-36.9	-26.3	-49.5	0.58	1000	-150
1.00	31.23	934.9	929.6	925.5	5.97	6.58	6.47	-36.9	-26.3	-49.4	0.49		
1.25	31.00	942.8	937.4	933.3	6.00	6.62	6.52	-37.4	-26.3	-50.0	0.43		
1.50	30.96	950.5	945.2	941.0	6.02	6.65	6.56	-38.0	-26.3	-50.6	0.37		
1.75	31.09	958.3	952.9	948.7	6.05	6.67	6.59	-38.7	-26.0	-50.3	0.34		
2.00	31.23	966.1	960.7	956.4	6.07	6.69	6.62	-40.1	-25.9	-50.7	0.31		
2.25	31.40	974.0	968.5	964.2	6.08	6.71	6.65	-41.2	-26.0	-50.7	0.31		
2.50	31.52	981.9	976.4	972.0	6.07	6.72	6.67	-41.9	-26.2	-50.5	0.32		
2.75	31.58	989.8	984.2	979.8	6.04	6.70	6.67	-41.6	-26.4	-50.7	0.34		
3.00	31.56	997.8	992.1	987.6	6.02	6.69	6.67	-39.9	-26.4	-51.3	0.39		
3.25	31.80	1005.7	1000.0	995.5	5.97	6.67	6.66	-38.2	-26.9	-51.1	0.46		
3.50	32.40	1013.6	1008.0	1003.4	5.93	6.62	6.64	-36.3	-27.3	-49.8	0.58		
3.75	32.67	1021.7	1016.1	1011.5	5.92	6.59	6.59	-35.2	-26.3	-49.4	0.69		
4.00	32.00	1029.9	1024.3	1019.6	5.91	6.56	6.54	-34.9	-24.8	-49.0	0.71		
4.25	31.27	1037.8	1032.3	1027.6	5.87	6.52	6.50	-34.7	-24.2	-48.2	0.69		
4.50	30.69	1045.6	1040.1	1035.5	5.83	6.48	6.46	-34.8	-24.0	-48.3	0.70		
4.80	30.04	1054.8	1049.3	1044.7	5.79	6.44	6.41	-34.4	-23.8	-48.5	0.69		
5.00	29.64	1060.8	1055.3	1050.7	5.77	6.42	6.38	-34.0	-23.5	-47.8	0.69		
5.25	29.13	1068.2	1062.7	1058.1	5.72	6.38	6.35	-33.3	-23.5	-47.7	0.69		
5.50	28.57	1075.5	1070.0	1065.4	5.68	6.34	6.31	-32.4	-23.3	-47.5	0.67		
5.75	27.99	1082.7	1077.1	1072.5	5.66	6.30	6.26	-31.8	-23.3	-47.2	0.64		
6.00	27.41	1089.7	1084.1	1079.5	5.64	6.29	6.23	-31.2	-23.7	-46.4	0.62		
6.25	26.89	1096.6	1091.0	1086.4	5.61	6.27	6.20	-30.6	-23.5	-46.7	0.58		
6.50	26.43	1103.4	1097.7	1093.1	5.59	6.23	6.17	-30.3	-23.2	-46.6	0.54		
6.75	25.77	1110.0	1104.3	1099.7	5.57	6.21	6.12	-29.8	-23.2	-46.4	0.50		
7.00	25.77	1116.5	1110.7	1106.1	5.56	6.19	6.09	-29.3	-23.6	-45.5	0.46		

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