

Voltage Controlled Oscillator

ROS-570+

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	15.00	518.8	515.8	513.3	-1.79	-1.38	-1.37	-16.4	-27.6	-51.1	0.21	1	-90
0.3	13.74	522.5	519.6	517.1	-1.72	-1.28	-1.28	-16.5	-27.6	-49.0	0.27	10	-114
0.5	13.05	525.8	523.0	520.6	-1.62	-1.21	-1.22	-16.6	-27.5	-47.6	0.31	100	-135
0.8	12.70	529.1	526.3	523.9	-1.53	-1.16	-1.16	-16.9	-27.2	-46.4	0.33	1000	-152
1.0	12.53	532.3	529.4	527.1	-1.45	-1.08	-1.10	-17.1	-27.0	-45.6	0.34		
1.3	12.48	535.5	532.6	530.2	-1.37	-1.00	-1.04	-17.3	-27.1	-44.6	0.35		
1.5	12.52	538.6	535.7	533.3	-1.28	-0.92	-0.96	-17.4	-27.0	-43.7	0.35		
1.8	12.62	541.8	538.8	536.4	-1.18	-0.85	-0.89	-17.4	-26.8	-42.8	0.35		
2.0	12.75	545.0	542.0	539.5	-1.09	-0.79	-0.83	-17.4	-26.7	-42.1	0.34		
2.3	12.89	548.2	545.2	542.7	-1.01	-0.71	-0.77	-17.6	-26.7	-41.4	0.32		
2.5	13.01	551.5	548.4	545.8	-0.95	-0.62	-0.70	-17.9	-26.7	-40.8	0.30		
2.8	13.10	554.8	551.6	549.1	-0.89	-0.57	-0.62	-18.2	-26.5	-40.0	0.28		
3.0	13.13	558.1	554.9	552.3	-0.85	-0.53	-0.58	-18.3	-26.3	-39.5	0.26		
3.3	13.12	561.4	558.2	555.6	-0.79	-0.48	-0.54	-18.4	-26.4	-39.1	0.23		
3.5	13.10	564.8	561.5	558.8	-0.74	-0.45	-0.51	-18.3	-26.4	-38.5	0.19		
3.8	13.04	568.1	564.7	562.1	-0.69	-0.40	-0.48	-18.4	-26.3	-37.8	0.15		
4.0	12.90	571.3	568.0	565.3	-0.66	-0.37	-0.45	-18.6	-26.1	-37.2	0.13		
4.3	12.71	574.6	571.2	568.5	-0.64	-0.34	-0.41	-18.9	-26.0	-36.7	0.12		
4.5	12.47	577.8	574.4	571.7	-0.60	-0.31	-0.37	-19.0	-26.0	-36.0	0.13		
4.8	12.20	580.9	577.5	574.7	-0.56	-0.27	-0.34	-19.1	-25.9	-35.5	0.15		
5.0	11.92	584.0	580.6	577.8	-0.52	-0.24	-0.31	-19.1	-25.7	-35.2	0.17		
5.3	11.63	587.0	583.6	580.7	-0.49	-0.20	-0.29	-19.1	-25.6	-34.8	0.20		
5.5	11.35	589.9	586.5	583.6	-0.45	-0.17	-0.27	-19.2	-25.6	-34.2	0.22		
5.8	11.07	592.8	589.3	586.5	-0.43	-0.15	-0.24	-19.2	-25.6	-33.9	0.24		
6.0	10.79	595.6	592.1	589.2	-0.42	-0.14	-0.22	-19.3	-25.4	-33.7	0.25		
6.3	10.52	598.3	594.8	591.9	-0.40	-0.13	-0.22	-19.4	-25.2	-33.5	0.26		
6.5	10.28	600.9	597.4	594.5	-0.40	-0.12	-0.23	-19.4	-25.2	-33.2	0.26		
6.8	10.04	603.5	600.0	597.1	-0.42	-0.11	-0.22	-19.5	-25.2	-33.1	0.26		
7.0	10.04	606.0	602.5	599.6	-0.44	-0.13	-0.22	-19.5	-25.3	-32.9	0.25		

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