

Voltage Controlled Oscillator

ROS-520+

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	13.86	471.8	468.8	466.5	-0.83	-0.11	-0.05	-20.8	-34.0	-40.6	0.08	1	-90
0.25	12.74	475.2	472.3	470.1	-0.79	-0.09	-0.04	-21.0	-33.7	-41.2	0.05	10	-115
0.50	12.15	478.3	475.4	473.4	-0.76	-0.08	-0.03	-21.3	-33.5	-41.4	0.04	100	-135
0.75	11.85	481.3	478.5	476.4	-0.74	-0.07	-0.03	-21.4	-33.5	-41.8	0.04	1000	-153
1.00	11.72	484.2	481.4	479.4	-0.72	-0.08	-0.03	-21.5	-33.4	-42.2	0.04		
1.25	11.72	487.1	484.4	482.3	-0.72	-0.09	-0.03	-21.5	-33.1	-42.5	0.04		
1.50	11.79	490.0	487.3	485.2	-0.73	-0.11	-0.04	-21.6	-32.9	-43.0	0.05		
1.75	11.90	493.0	490.3	488.2	-0.75	-0.13	-0.04	-21.8	-33.0	-43.3	0.05		
2.00	12.03	496.0	493.2	491.1	-0.79	-0.16	-0.05	-21.9	-33.2	-43.3	0.04		
2.25	12.15	499.0	496.2	494.1	-0.85	-0.18	-0.06	-22.2	-33.2	-43.1	0.04		
2.50	12.24	502.1	499.3	497.0	-0.90	-0.20	-0.07	-22.3	-33.0	-42.7	0.03		
2.75	12.30	505.3	502.3	500.1	-0.94	-0.22	-0.08	-22.3	-32.9	-42.5	0.02		
3.00	12.31	508.4	505.4	503.1	-0.97	-0.24	-0.09	-22.2	-33.0	-42.2	0.01		
3.25	12.28	511.6	508.5	506.1	-1.00	-0.26	-0.11	-22.1	-32.9	-41.9	0.02		
3.50	12.22	514.7	511.6	509.2	-1.02	-0.28	-0.14	-22.2	-32.7	-41.5	0.03		
3.75	12.11	517.8	514.6	512.2	-1.05	-0.32	-0.18	-22.3	-32.4	-41.4	0.06		
4.00	11.98	520.8	517.6	515.3	-1.09	-0.36	-0.23	-22.4	-32.1	-41.2	0.10		
4.25	11.82	523.9	520.6	518.3	-1.13	-0.42	-0.29	-22.4	-31.9	-41.0	0.14		
4.50	11.63	526.8	523.6	521.2	-1.19	-0.48	-0.36	-22.3	-31.7	-40.8	0.18		
4.75	11.42	529.7	526.5	524.1	-1.25	-0.55	-0.43	-22.2	-31.4	-40.6	0.22		
5.00	11.19	532.5	529.4	527.0	-1.32	-0.63	-0.51	-22.2	-31.1	-40.1	0.26		
5.25	10.96	535.3	532.2	529.8	-1.40	-0.72	-0.59	-22.3	-31.1	-39.6	0.28		
5.50	10.71	538.0	534.9	532.5	-1.49	-0.81	-0.67	-22.4	-31.0	-39.2	0.31		
5.75	10.47	540.7	537.6	535.2	-1.59	-0.90	-0.76	-22.6	-30.8	-38.8	0.32		
6.00	10.23	543.3	540.2	537.8	-1.69	-1.00	-0.84	-22.7	-30.6	-38.4	0.33		
6.25	10.00	545.9	542.7	540.3	-1.79	-1.10	-0.93	-22.7	-30.4	-38.0	0.33		
6.50	9.77	548.4	545.2	542.8	-1.90	-1.20	-1.02	-22.6	-30.3	-37.5	0.33		
6.75	9.55	550.8	547.7	545.3	-2.01	-1.30	-1.11	-22.5	-30.3	-37.2	0.32		
7.00	9.55	553.2	550.1	547.6	-2.12	-1.40	-1.20	-22.4	-30.1	-36.7	0.31		

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