

Voltage Controlled Oscillator

ROS-425-319+

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	12.68	379.7	378.7	378.0	0.91	0.84	0.53	-18.8	-50.2	-37.4	0.37	1	-93
0.3	11.42	382.8	381.8	381.2	0.90	0.83	0.55	-19.1	-50.4	-36.9	0.25	10	-120
0.5	10.74	385.7	384.7	384.1	0.87	0.80	0.55	-19.2	-50.7	-36.5	0.19	100	-142
0.8	10.36	388.3	387.4	386.8	0.84	0.77	0.55	-19.3	-51.1	-36.1	0.15	1000	-161
1.0	10.15	390.9	390.0	389.4	0.81	0.73	0.54	-19.4	-51.1	-35.7	0.12		
1.3	10.09	393.4	392.5	391.9	0.78	0.68	0.52	-19.7	-51.5	-35.3	0.09		
1.5	10.10	396.0	395.0	394.4	0.74	0.64	0.50	-20.0	-51.5	-35.1	0.07		
1.8	10.21	398.5	397.5	397.0	0.69	0.59	0.48	-20.5	-51.8	-34.7	0.05		
2.0	10.36	401.1	400.1	399.5	0.62	0.54	0.45	-20.8	-51.7	-34.3	0.03		
2.3	10.58	403.7	402.7	402.1	0.56	0.50	0.42	-21.0	-51.7	-34.0	0.01		
2.5	10.82	406.3	405.3	404.7	0.50	0.45	0.38	-21.1	-51.8	-33.8	0.00		
2.8	11.09	409.1	408.0	407.4	0.43	0.40	0.34	-21.3	-51.5	-33.5	0.01		
3.0	11.36	411.8	410.8	410.1	0.35	0.36	0.29	-21.5	-51.3	-33.2	0.01		
3.3	11.64	414.7	413.7	413.0	0.26	0.30	0.24	-21.9	-50.7	-32.9	0.01		
3.5	11.91	417.6	416.6	415.9	0.17	0.25	0.19	-22.4	-50.2	-32.7	0.00		
3.8	12.16	420.6	419.5	418.8	0.07	0.18	0.12	-22.8	-49.2	-32.6	0.03		
4.0	12.40	423.6	422.6	421.9	-0.03	0.08	0.05	-23.0	-47.9	-32.4	0.06		
4.3	12.63	426.7	425.7	425.0	-0.15	-0.04	-0.04	-23.0	-46.5	-32.3	0.10		
4.5	12.94	429.8	428.8	428.2	-0.26	-0.15	-0.13	-23.1	-45.2	-32.1	0.15		
4.8	13.00	433.0	432.1	431.4	-0.41	-0.26	-0.23	-23.2	-43.6	-32.0	0.20		
5.0	13.17	436.2	435.3	434.7	-0.59	-0.41	-0.34	-23.4	-41.8	-32.1	0.26		
5.3	13.35	439.4	438.6	438.0	-0.78	-0.57	-0.46	-23.7	-40.2	-32.0	0.32		
5.5	13.51	442.7	442.0	441.3	-0.97	-0.74	-0.60	-23.9	-38.8	-31.9	0.37		
5.8	13.67	446.0	445.3	444.7	-1.17	-0.91	-0.75	-24.0	-37.7	-31.9	0.41		
6.0	13.83	449.4	448.7	448.2	-1.35	-1.10	-0.90	-23.9	-36.4	-31.9	0.45		

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