

Voltage Controlled Oscillator

ROS-2566C-1+

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)
		-40°C	+25°C	+85°C	-40°C	+25°C	+85°C	F2	F3	F4			
0.0	5.2	2556.3	2555.7	2554.0	8.4	7.9	7.7	-28.2	-27.6	-35.3	0.1	1	-90
0.3	4.6	2557.6	2557.0	2555.4	8.4	7.9	7.7	-28.1	-27.6	-35.3	0.1	10	-120
0.5	4.3	2558.7	2558.1	2556.6	8.4	7.9	7.7	-28.1	-27.4	-35.2	0.1	100	-140
0.8	4.2	2559.7	2559.2	2557.7	8.4	8.0	7.8	-28.2	-27.3	-35.2	0.1	1000	-155
1.0	4.1	2560.8	2560.3	2558.8	8.5	8.0	7.8	-28.0	-27.2	-35.2	0.1		
1.3	4.0	2561.8	2561.3	2559.8	8.5	8.0	7.8	-28.0	-27.4	-35.6	0.1		
1.5	4.0	2562.7	2562.3	2560.8	8.5	8.0	7.8	-27.9	-27.3	-35.8	0.1		
1.8	4.0	2563.7	2563.3	2561.8	8.5	8.0	7.9	-27.9	-27.3	-35.9	0.1		
2.0	4.0	2564.7	2564.3	2562.8	8.5	8.1	7.9	-27.9	-27.3	-36.2	0.1		
2.3	4.1	2565.7	2565.3	2563.8	8.5	8.1	7.9	-27.9	-27.3	-36.4	0.1		
2.5	4.2	2566.8	2566.3	2564.9	8.5	8.1	7.9	-27.8	-27.4	-36.8	0.1		
2.8	4.3	2567.8	2567.4	2565.9	8.5	8.1	7.9	-27.8	-27.4	-36.9	0.1		
3.0	4.4	2568.9	2568.4	2567.0	8.6	8.1	7.9	-27.8	-27.4	-37.1	0.1		
3.3	4.5	2570.0	2569.5	2568.1	8.6	8.1	7.9	-27.8	-27.5	-37.4	0.1		
3.5	4.5	2571.1	2570.7	2569.2	8.6	8.1	8.0	-27.7	-27.5	-37.5	0.1		
3.8	4.5	2572.2	2571.8	2570.3	8.6	8.1	8.0	-27.7	-27.5	-37.9	0.1		
4.0	4.4	2573.3	2572.9	2571.5	8.6	8.2	8.0	-27.7	-27.6	-37.7	0.0		
4.3	4.2	2574.3	2574.0	2572.6	8.6	8.2	8.0	-27.6	-27.5	-37.9	0.0		
4.5	4.0	2575.4	2575.1	2573.7	8.6	8.2	8.0	-27.6	-27.8	-37.8	0.0		
4.8	3.7	2576.3	2576.0	2574.7	8.6	8.2	8.0	-27.6	-27.8	-37.7	0.1		
5.0	3.4	2577.2	2577.0	2575.6	8.6	8.2	8.0	-27.7	-27.8	-37.5	0.1		
5.3	3.1	2578.1	2577.8	2576.5	8.6	8.2	8.0	-27.7	-27.8	-37.6	0.1		
5.5	2.8	2578.8	2578.6	2577.3	8.6	8.2	8.0	-27.6	-27.9	-37.5	0.1		
5.8	2.5	2579.5	2579.3	2578.0	8.6	8.2	8.0	-27.7	-27.9	-37.3	0.1		
6.0	2.2	2580.1	2579.9	2578.7	8.6	8.2	8.0	-27.7	-27.9	-37.3	0.1		
6.3	1.9	2580.6	2580.4	2579.2	8.6	8.2	8.0	-27.7	-27.9	-37.2	0.1		
6.5	1.6	2581.1	2580.9	2579.7	8.6	8.2	8.0	-27.8	-27.8	-37.4	0.1		
6.8	1.4	2581.5	2581.3	2580.1	8.6	8.2	8.0	-27.7	-27.8	-37.3	0.0		
7.0	1.4	2581.9	2581.7	2580.5	8.6	8.2	8.0	-27.7	-27.8	-37.3	0.0		

Notes

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