



VCO 008008SMi8

rev_0

initial rev

	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	<u>Production</u> <u>Test</u>	<u>First Article</u> <u>Test</u>
Frequency Range	85		88	MHz	1	☐	☐
Tuning Voltage	1		4	V	1	☐	☐
Modulation Sensitivity	2		4	MHz/V	3	☐	☐
Operates with Vtune = 0V					3	☐	☐
Output Power	7	9	11	dBm	1	☐	☐
Phase Noise @							
1 KHz Offset		-89		dBc/Hz	2	☐	☐
10 KHz Offset		-114		dBc/Hz	3	☐	☐
100 KHz Offset		-134		dBc/Hz	2	☐	☐
1MHz offset		-154		dBc/Hz	2	☐	☐
Pushing			5	MHz/V	3		☐
Pulling (12 dB R.L.)			5	MHz	3		☐
Modulation Bandwidth		1		MHz	4		
Tuning Port Capacitance		47		pF	2		
Harmonics		-10		dBc	3		☐
Sub-Harmonics		N/A		dBc	3		☐
Vcc		8.0		V	5	☐	☐
Icc		20		mA	5	☐	☐
Operating Temperature	-40		+85	C	3		☐
Package		SMi					
LxW		0.500		inch sq.	5	☐	☐
Height		0.220		inch	5	☐	☐

Notes

1. Tested in production, and guaranteed
2. Per current design, not a tested parameter
3. Sample tested from production lot
4. Not a tested or guaranteed design goal
5. By inspection