



VCO 020021SMUA5

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	203		209	MHz	1	☐	☐
Tuning Voltage	0.5		11	V	1	☐	☐
Modulation Sensitivity		1		MHz/V	3	☐	☐
Operates with Vtune = 0V					3	☐	☐
Output Power	7	9	11	dBm	1	☐	☐
Phase Noise @							
1 KHz Offset		-105		dBc/Hz	2	☐	☐
10 KHz Offset		-130		dBc/Hz	3	☐	☐
100 KHz Offset		-150		dBc/Hz	2	☐	☐
1MHz offset		-164		dBc/Hz	2	☐	☐
Pushing			1	MHz/V	3		☐
Pulling (12 dB R.L.)			1	MHz	3		☐
Modulation Bandwidth		1		MHz	4		
Tuning Port Capacitance		47		pF	2		
Harmonics		-20		dBc	3		☐
Sub-Harmonics		N/A		dBc	3		☐
Vcc		5.0		V	5	☐	☐
Icc		20		mA	5	☐	☐
Operating Temperature	-40		+85	C	3		☐
Package		SMUA					
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