



**VCO 050053SM5**

rev\_0

initial rev

	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	<u>Production Test</u>	<u>First Article Test</u>
Frequency Range	502		529	MHz	1	<input type="checkbox"/>	<input type="checkbox"/>
Tuning Voltage	0.5		4.5	V	1	<input type="checkbox"/>	<input type="checkbox"/>
Modulation Sensitivity		10		MHz/V	3	<input type="checkbox"/>	<input type="checkbox"/>
Operates with Vtune = 0V					3	<input type="checkbox"/>	<input type="checkbox"/>
Output Power	-3	0	3	dBm	1	<input type="checkbox"/>	<input type="checkbox"/>
Phase Noise @							
1 KHz Offset		-91		dBc/Hz	2	<input type="checkbox"/>	<input type="checkbox"/>
10 KHz Offset		-116		dBc/Hz	3	<input type="checkbox"/>	<input type="checkbox"/>
100 KHz Offset		-136		dBc/Hz	2	<input type="checkbox"/>	<input type="checkbox"/>
1MHz offset		-156		dBc/Hz	2	<input type="checkbox"/>	<input type="checkbox"/>
Pushing			5	MHz/V	3		<input type="checkbox"/>
Pulling (12 dB R.L.)			5	MHz	3		<input type="checkbox"/>
Modulation Bandwidth		1		MHz	4		
Tuning Port Capacitance		150		pF	2		
Harmonics		-10		dBc	3		<input type="checkbox"/>
Sub-Harmonics		N/A		dBc	3		<input type="checkbox"/>
Vcc		5.0		V	5	<input type="checkbox"/>	<input type="checkbox"/>
Icc		11		mA	5	<input type="checkbox"/>	<input type="checkbox"/>
Operating Temperature	-40		+85	C	3		<input type="checkbox"/>
Package		SM					
LxW		0.500		inch sq.	5	<input type="checkbox"/>	<input type="checkbox"/>
Height		0.220		inch	5	<input type="checkbox"/>	<input type="checkbox"/>

**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