



VCO 1020SM10

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	1000		2000	MHz	1	<input type="checkbox"/>	<input type="checkbox"/>
Tuning Voltage	0		20	V	1	<input type="checkbox"/>	<input type="checkbox"/>
Modulation Sensitivity	47		78	MHz/V	3	<input type="checkbox"/>	<input type="checkbox"/>
Operates with Vtune = 0V					3	<input type="checkbox"/>	<input type="checkbox"/>
Output Power	10	12	14	dBm	1	<input type="checkbox"/>	<input type="checkbox"/>
Phase Noise @							
1 KHz Offset		-76		dBc/Hz	2	<input type="checkbox"/>	<input type="checkbox"/>
10 KHz Offset		-101		dBc/Hz	3	<input type="checkbox"/>	<input type="checkbox"/>
100 KHz Offset		-126		dBc/Hz	2	<input type="checkbox"/>	<input type="checkbox"/>
1MHz offset		-146		dBc/Hz	2	<input type="checkbox"/>	<input type="checkbox"/>
Pushing			10	MHz/V	3		<input type="checkbox"/>
Pulling (12 dB R.L.)			10	MHz	3		<input type="checkbox"/>
Modulation Bandwidth		1		MHz	4		
Tuning Port Capacitance		100		pF	2		
Harmonics		-10		dBc	3		<input type="checkbox"/>
Sub-Harmonics		N/A		dBc	3		<input type="checkbox"/>
Vcc		10.0		V	5	<input type="checkbox"/>	<input type="checkbox"/>
Icc		30		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