



**VCO R3000SMUA6R5CR**

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		3000		MHz	1	<input type="checkbox"/>	<input type="checkbox"/>
Tuning Voltage	0.5		4.5	V	1	<input type="checkbox"/>	<input type="checkbox"/>
Modulation Sensitivity	4	6	8	MHz/V	1	<input type="checkbox"/>	<input type="checkbox"/>
Operates with Vtune = 0V					1	<input type="checkbox"/>	<input type="checkbox"/>
Output Power	6	8	10	dBm	1	<input type="checkbox"/>	<input type="checkbox"/>
Phase Noise @							
100 Hz Offset		-75	-70	dBc/Hz	1	<input type="checkbox"/>	<input type="checkbox"/>
1 KHz Offset		-95	-90	dBc/Hz	1	<input type="checkbox"/>	<input type="checkbox"/>
10 KHz Offset		-120	-115	dBc/Hz	1	<input type="checkbox"/>	<input type="checkbox"/>
100 KHz Offset		-140	-135	dBc/Hz	1	<input type="checkbox"/>	<input type="checkbox"/>
1 MHz Offset		-160	-155	dBc/Hz	1	<input type="checkbox"/>	<input type="checkbox"/>
10 MHz Offset		-		dBc/Hz	1	<input type="checkbox"/>	<input type="checkbox"/>
Pushing		0.1		MHz/V	3	<input type="checkbox"/>	<input type="checkbox"/>
Pulling (12dB RL, any phase)		1		MHz <sub>p-p</sub>	3	<input type="checkbox"/>	<input type="checkbox"/>
Modulation Bandwidth		1		MHz	4		
Tuning Port Capacitance		10	30	pF	2		
Harmonics		-15	-10	dBc	3	<input type="checkbox"/>	<input type="checkbox"/>
Vcc	6.3375	6.5000	6.6625	V	5	<input type="checkbox"/>	<input type="checkbox"/>
Icc		28		mA	1	<input type="checkbox"/>	<input type="checkbox"/>
Operating Temperature	0		+85	C	3		<input type="checkbox"/>
Package		SMUA				<input type="checkbox"/>	<input type="checkbox"/>
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

EDF	3/25/2011
<b>sig</b>	<b>date</b>
PJE	3/25/2011
<b>sig</b>	<b>date</b>