



**VCO 780SMUA5CR**

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		780		MHz	1	<input type="checkbox"/>	<input type="checkbox"/>
Tuning Voltage	0.5		4.5	V	1	<input type="checkbox"/>	<input type="checkbox"/>
Modulation Sensitivity		2.0		MHz/V	1	<input type="checkbox"/>	<input type="checkbox"/>
Operates with Vtune = 0V					1	<input type="checkbox"/>	<input type="checkbox"/>
Output Power	2	4	6	dBm	1	<input type="checkbox"/>	<input type="checkbox"/>
Phase Noise @							
100 Hz Offset		-80	-75	dBc/Hz	1	<input type="checkbox"/>	<input type="checkbox"/>
1 KHz Offset		-105	-100	dBc/Hz	1	<input type="checkbox"/>	<input type="checkbox"/>
10 KHz Offset		-131	-126	dBc/Hz	1	<input type="checkbox"/>	<input type="checkbox"/>
100 KHz Offset		-151	-146	dBc/Hz	1	<input type="checkbox"/>	<input type="checkbox"/>
1 MHz Offset		-152	-147	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)		0.2		MHz <sub>p-p</sub>	3	<input type="checkbox"/>	<input type="checkbox"/>
Modulation Bandwidth		1		MHz	4		
Tuning Port Capacitance		47		pF	2		
Harmonics		-12	-7	dBc	3	<input type="checkbox"/>	<input type="checkbox"/>
Vcc	4.875	5.000	5.125	V	5	<input type="checkbox"/>	<input type="checkbox"/>
Icc		50		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>