



VCO 140142SMUA6CR

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	1400	1410	1420	MHz	1	<input type="checkbox"/>	<input type="checkbox"/>
Tuning Voltage	0.5		4.5	V	1	<input type="checkbox"/>	<input type="checkbox"/>
Modulation Sensitivity		7.5		MHz/V	1	<input type="checkbox"/>	<input type="checkbox"/>
Operates with Vtune = 0V					1	<input type="checkbox"/>	<input type="checkbox"/>
Output Power	5	7	9	dBm	1	<input type="checkbox"/>	<input type="checkbox"/>
Phase Noise @							
100 Hz Offset		-68	-63	dBc/Hz	1	<input type="checkbox"/>	<input type="checkbox"/>
1 KHz Offset		-98	-93	dBc/Hz	1	<input type="checkbox"/>	<input type="checkbox"/>
10 KHz Offset		-123	-118	dBc/Hz	1	<input type="checkbox"/>	<input type="checkbox"/>
100 KHz Offset		-143	-138	dBc/Hz	1	<input type="checkbox"/>	<input type="checkbox"/>
1 MHz Offset		-163	-158	dBc/Hz	1	<input type="checkbox"/>	<input type="checkbox"/>
10 MHz Offset		-164	-155	dBc/Hz	1	<input type="checkbox"/>	<input type="checkbox"/>
Pushing		0.1	0.2	MHz/V	3	<input type="checkbox"/>	<input type="checkbox"/>
Pulling (12dB RL, any phase)		0.2	0.5	MHz _{p-p}	3	<input type="checkbox"/>	<input type="checkbox"/>
Modulation Bandwidth		1		MHz	4		
Tuning Port Capacitance		65		pF	2		
Harmonics		-15	-10	dBc	3	<input type="checkbox"/>	<input type="checkbox"/>
Vcc	5.8500	6.0000	6.1500	V	5	<input type="checkbox"/>	<input type="checkbox"/>
Icc		27		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
sig	date
PJE	3/25/2011
sig	date