



VCO R008008SMUA(D14)5

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		80		MHz	1	..	..
Tuning Voltage	0.5		4.5	V	1	..	..
Modulation Sensitivity		3		MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power	7	9	11	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-112	-107	dBc/Hz	1		
10 KHz Offset		-137	-132	dBc/Hz	1	..	..
100 KHz Offset		-157	-152	dBc/Hz	1	..	..
1MHz offset		-164	-159	dBc/Hz	1	..	..
Pushing		0.2	0.5	MHz/V	3	..	..
Pulling (12 dB R.L.)		0.5	1	MHz	3	..	..
Modulation Bandwidth		0.1		MHz	4	..	..
Tuning Port Capacitance		330		pF	2	..	..
Harmonics		-20	-10	dBc	3	..	..
Vcc		5.0		V	5	..	..
Icc		20	23	mA	1	..	..
Operating Temperature	-40		+85	C	3	..	..
Package		SMUA(D14)			6		
LxW		0.500		inch sq.	5	..	..
Height		0.220		inch	5	..	..

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
6. RoHS Compliant
7. Design goal subject to change