



VCO R216236SMUA5CR

rev_0
rev_1

initial rev
storage + drift

	<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	2160		2360	MHz	1	..	..
Tuning Voltage	0.5		4.5	V	1	..	..
Modulation Sensitivity		60		MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power	3	5	7	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-80	-75	dBc/Hz	1	..	..
10 KHz Offset		-106	-101	dBc/Hz	1	..	..
100 KHz Offset		-126	-121	dBc/Hz	1	..	..
1 MHz Offset		-146	-141	dBc/Hz	1	..	..
10 MHz Offset		-160	-155	dBc/Hz	1	..	..
Pushing		0.7	1	MHz/V	3	..	..
Pulling (12dB RL, any phase)		2	4	MHz _{p-p}	3	..	..
Frequency Drift with Temperature							
@ -40C		10		MHz	3	..	..
@ +85C		10		MHz	3	..	..
Modulation Bandwidth		1		MHz	4	..	..
Tuning Port Capacitance		47		pF	2	..	..
Harmonics		-16	-10	dBc	3	..	..
Vcc		5.0		V		..	..
Icc		26		mA	1	..	..
Operating Temperature	-40		+85	C	3	..	..
Storage Temperature	-55		+125	C	3	..	..
Package		SMUA			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