



VCO R096121SMUA5

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>
FrequencyRange	962		1213	MHz	1	..	..
TuningVoltage	0.5		4.5	V	1	..	..
ModulationSensitivity		83		MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power	4	6	8	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-78	-73	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		-164	-159	dBc/Hz	1	..	..
Pushing		1	2.5	MHz/V	3	..	..
Pulling (12dB RL, any phase)		2	4	MHz _{p-p}	3	..	..
ModulationBandwidth		1		MHz	4	..	..
Tuning Port Capacitance		47		pF	2	..	..
Harmonics		-15	-10	dBc	3	..	..
Vcc		5.0		V		..	..
Icc		20		mA	1	..	..
OperatingTemperature	-40		+85	C	3	..	..
Package		SMUA				..	..
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

sig date

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