



VCO R043045SMM3

rev_1 initial rev
rev_2 Kv, Pout,Vt harmonics
pulling,push
rev_3 Kv, Pout harmonics

	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	<u>Production</u> <u>Test</u>	<u>First Article</u> <u>Test</u>
Operational Frequency Range	433		448	MHz	1	☐	☐
Functional Tuning Voltage Range	0		3	V	1	☐	☐
Operational Tuning Voltage Range	0.7		2.5	V	1	☐	☐
Modulation Sensitivity	14	17.5	21	MHz/V	1	☐	☐
Operates with Vtune = 0V					1	☐	☐
Output Power	-5	-3	-1	dBm	1	☐	☐
Phase Noise @							
1 KHz Offset		-76	-73	dBc/Hz	1	☐	☐
10 KHz Offset		-101	-98	dBc/Hz	1	☐	☐
100 KHz Offset		-121	-118	dBc/Hz	1	☐	☐
1 MHz Offset		-141	-138	dBc/Hz	1	☐	☐
Pushing		2.3	3	MHz/V	3		☐
Pulling (12 dB R.L.)		2.4	3	MHz	3		☐
Modulation Bandwidth		1		MHz	4		
Tuning Port Capacitance		100		pF	2		
Harmonics							
2nd			-6	dBc	1	☐	☐
3rd			-15	dBc	1	☐	☐
Vcc	2.9	3	3.1	V	5		☐
Icc		4.5	5	mA	1	☐	☐
Operating Temperature	0		50	C	3		☐
Package		0.300		inch sq.	5	☐	☐
Height		0.080		inches	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