



VCO R076079SMUY3R3

RoHS Compliant

rev_0

initial rev

	<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>
Frequency Range	760	773	786	MHz	1	..	..
Tuning Voltage	0.4		2.6	V	1	..	..
Mod Sensitivity (1395~1400 MHz)	15	18	21	MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power	-6	-3	0	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-79	-72	dBc/Hz	1	..	..
10 KHz Offset		-109	-102	dBc/Hz	1	..	..
100 KHz Offset		-129	-122	dBc/Hz	1	..	..
1 MHz Offset		-149	-142	dBc/Hz	1	..	..
Pushing		0.5	1.3	MHz/V	3	..	..
Pulling (12 dB R.L., any phase)		0.8	1.5	MHz _{peak}	3	..	..
Modulation Bandwidth		1		MHz	4	..	..
Tuning Port Capacitance		100		pF	2	..	..
2nd Harmonic		-12	-8	dBc	3	..	..
3rd Harmonic		-24	-10	dBc	3	..	..
Spurious			-80	dBc	3	..	..
Vcc	2.85	3.00	3.15	V	5	..	..
Icc		6	8	mA	1	..	..
Operating Temperature	-35		+85	C	3	..	..
Package		0.374		inch sq.	5	..	..
Height		0.110		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