



VCO 142155SMUA10CR

rev_0
rev_1

initial rev
Kv

						Production	First Article
	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	<u>Test</u>	<u>Test</u>
Frequency Range	1420		1550	MHz	1	..	..
Tuning Voltage	1		13	V	1	..	..
Modulation Sensitivity		15		MHz/V	3	..	..
Operates with Vtune = 0V					1	..	..
Output Power	4	6	8	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-88	-85	dBc/Hz	2	..	..
10 KHz Offset		-113	-110	dBc/Hz	1	..	..
100 KHz Offset		-133	-130	dBc/Hz	1	..	..
1 MHz Offset		-153	-150	dBc/Hz	1	..	..
Pushing		0.1	0.3	MHz/V	3	..	..
Pulling (12 dB R.L., any phase)		1	2	MHz	3	..	..
Modulation Bandwidth		5		MHz	4	..	..
Tuning Port Capacitance		47		pF	2	..	..
Harmonics		-15	-10	dBc	3	..	..
Sub-Harmonics		N/A		dBc	3	..	..
Vcc		10		V	5	..	..
Icc		28		mA	5	..	..
Operating Temperature	-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