



VCO R030054SMUA12_180

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>
Frequency Range	300		535	MHz	1	☐	☐
Tuning Voltage	1		15	V	1	☐	☐
Modulation Sensitivity		22		MHz/V	1	☐	☐
Operates with Vtune = 0V					1	☐	☐
Output Power		10		dBm	1	☐	☐
Phase Noise @							
1 KHz Offset				dBc/Hz	1	☐	☐
10 KHz Offset		-100		dBc/Hz	1	☐	☐
100 KHz Offset		-123		dBc/Hz	1	☐	☐
1 MHz Offset		-143		dBc/Hz	1	☐	☐
10 MHz Offset		-163		dBc/Hz	1	☐	☐
Pushing		0.3		MHz/V	3	☐	☐
Pulling (12dB RL, any phase)		2		MHz _{p-p}	3	☐	☐
Modulation Bandwidth				MHz	4	☐	☐
Tuning Port Capacitance				pF	2	☐	☐
Harmonics		-30	-10	dBc	3	☐	☐
Vcc		12.0		V			
Icc		18		mA	1	☐	☐
Operating Temperature	-40		+85	C	3	☐	☐
Package		SMUA			6	☐	☐
LxW		0.500		inch sq.	5	☐	☐
Height		0.180		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. Parylene Conformal Coating
8. Foam Filled
9. Conformal Coating and Foam Fill
10. Design goal subject to change