



VCO R138144SMUA5CR

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	1377		1444	MHz	1	☐	☐
Tuning Voltage	0.5		9.5	V	1	☐	☐
Modulation Sensitivity		11		MHz/V	1,10	☐	☐
Operates with Vtune = 0V					1	☐	☐
Output Power	4	6	8	dBm	1	☐	☐
Phase Noise @							
1 KHz Offset		-95	-90	dBc/Hz	1	☐	☐
10 KHz Offset		-120	-115	dBc/Hz	1	☐	☐
100 KHz Offset		-140	-135	dBc/Hz	1	☐	☐
1 MHz Offset		-160	-155	dBc/Hz	1	☐	☐
10 MHz Offset		-164	-155	dBc/Hz	1		
Pushing		0.1	0.3	MHz/V	3	☐	☐
Pulling (12dB RL, any phase)		0.5	1	MHz _{p-p}	3	☐	☐
Modulation Bandwidth		1		MHz	4	☐	☐
Tuning Port Capacitance		47		pF	2	☐	☐
Harmonics		-15	-10	dBc	3	☐	☐
Vcc		5.0		V			
Icc		27		mA	1	☐	☐
Operating Temperature	-40		+85	C	3	☐	☐
Package		SMUA			6	☐	☐
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
6. RoHS compliant
7. Parylene Conformal Coating
8. Foam Filled
9. Conformal Coating and Foam Fill
10. Design goal subject to change