



VCO R186206SMUA8CR

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	1865		2055	MHz	1	☐	☐
Tuning Voltage	0		12	V	1	☐	☐
Modulation Sensitivity		20		MHz/V	1,10	☐	☐
Operates with Vtune = 0V					1	☐	☐
Output Power	5	7	9	dBm	1	☐	☐
Phase Noise @							
1 KHz Offset		-85	-80	dBc/Hz	1	☐	☐
10 KHz Offset		-113	-108	dBc/Hz	1	☐	☐
100 KHz Offset		-133	-128	dBc/Hz	1	☐	☐
1 MHz Offset		-153	-148	dBc/Hz	1	☐	☐
10 MHz Offset		-164	-155	dBc/Hz	1		
Pushing		0.2	1.3	MHz/V	3	☐	☐
Pulling (12dB RL, any phase)		1	2	MHz _{p-p}	3	☐	☐
Modulation Bandwidth		1		MHz	4	☐	☐
Tuning Port Capacitance		57		pF	2	☐	☐
Harmonics		-8	-5	dBc	3	☐	☐
Vcc		8.0		V	1		
Icc		27	30	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