



VCO R175200SMUA8

rev_0

initial rev

						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	1750		2000	MHz	1	☐	☐
Tuning Voltage	2		12	V	1	☐	☐
Modulation Sensitivity		28		MHz/V	1	☐	☐
Operates with Vtune = 0V					1	☐	☐
Output Power	-2	0	2	dBm	1	☐	☐
Phase Noise @							
1 KHz Offset		-85	-78	dBc/Hz	1	☐	☐
10 KHz Offset		-110	-104	dBc/Hz	1	☐	☐
100 KHz Offset		-130	-125	dBc/Hz	1	☐	☐
1 MHz Offset		-150	-145	dBc/Hz	1	☐	☐
10 MHz Offset				dBc/Hz	1	☐	☐
Pushing		0.5	1	MHz/V	3	☐	☐
Pulling (12dB RL, any phase)		1	2	MHz _{p-p}	3	☐	☐
Modulation Bandwidth		1000		MHz	4	☐	☐
Tuning Port Capacitance		47		pF	2	☐	☐
Harmonics		-15		dBc	3	☐	☐
Vcc		8.0		V			
Icc		29		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