



0510SMUA12_135

rev_0

initial rev

	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	Production <u>Test</u>	First Article <u>Test</u>
Frequency Range	500		1000	MHz	1	☐	☐
Tuning Voltage	0.5		11.0	V	1	☐	☐
Modulation Sensitivity		55		MHz/V	1	☐	☐
Operates with Vtune = 0V					1	☐	☐
Output Power	7.5	10	12.5	dBm	1	☐	☐
Phase Noise @							
1 KHz Offset		-78	-73	dBc/Hz	1	☐	☐
10 KHz Offset		-103	-97	dBc/Hz	1	☐	☐
100 KHz Offset		-123	-117	dBc/Hz	1	☐	☐
1MHz Offset		-143	-137	dBc/Hz	1	☐	☐
10 MHz Offset		-163	-155	dBc/Hz	1	☐	☐
Pushing		0.3	0.6	MHz/V	3		☐
Pulling (12 dB R.L.)		5	10	MHz	3		☐
Modulation Bandwidth		5		MHz	4		
Tuning Port Capacitance		100		pF	2		
Harmonics		-20	-12	dBc	3		☐
Vcc		12.0		V	1	☐	☐
Icc		30		mA	1	☐	☐
Operating Temperature	-40		+85	C	3		☐
Package		SMUA			5		
LxW		0.500		inch sq.	5	☐	☐
Height		0.135		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
