



R010020SMUA5_MOD_156

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	100	150	200	MHz	1	☐	☐
Tuning Voltage	1	2.25		V	100 MHz	☐	☐
Tuning Voltage		15	16	V	200 MHz	☐	☐
Modulation Sensitivity	4	7	10	MHz/V	1,10	☐	☐
Operates with Vtune = 0V					1	☐	☐
Output Power	-3	0	3	dBm	1	☐	☐
Phase Noise @							
10 KHz Offset		-114	-105	dBc/Hz	1	☐	☐
100 KHz Offset		-134	-125	dBc/Hz	1	☐	☐
Pushing		1.5	2	MHz/V	3	☐	☐
Pulling (12dB RL, any phase)		0.3	1	MHz _{p-p}	3	☐	☐
Tuning Port Capacitance		220		pF	2	☐	☐
2nd Harmonic		-15	-8	dBc	3	☐	☐
Vcc	4.75	5.0	5.25	V	1		
Icc		10	15	mA	1	☐	☐
Operating Temperature	-35		+85	C	3	☐	☐
Package		SMUA_156			6	☐	☐
LxW		0.500		inch sq.	5	☐	☐
Height		0.156		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