



VCO R115116SMUA4R5_MOD_156

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	1157		1158	MHz	1	☐	☐
Tuning Voltage	0.5		2.25	V	1	☐	☐
Modulation Sensitivity		7		MHz/V	1,10	☐	☐
Operates with Vtune = 0V					1	☐	☐
Output Power	0	2	4	dBm	1	☐	☐
Phase Noise @							
10 KHz Offset		-115	-110	dBc/Hz	1	☐	☐
100 KHz Offset		-135	-130	dBc/Hz	1	☐	☐
1000 KHz Offset		-155	-150	dBc/Hz	1		
Pushing (4.25 to 4.75V Vcc)		4		MHz/V	3	☐	☐
Pulling (12dB RL, any phase)		1	2	MHz _{p-p}	3	☐	☐
Tuning Port Capacitance		47		pF	2	☐	☐
2nd Harmonic		-20	-15	dBc	3	☐	☐
Vcc	4.25	4.5	4.75	V	1		
Icc		15	30	mA	1	☐	☐
Output Impedance		50		ohms	2		
Operating Temperature	-40		+85	C	3	☐	☐
Package		MOD_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