



VCO R300310SMM3

RoHS Compliant

rev_0

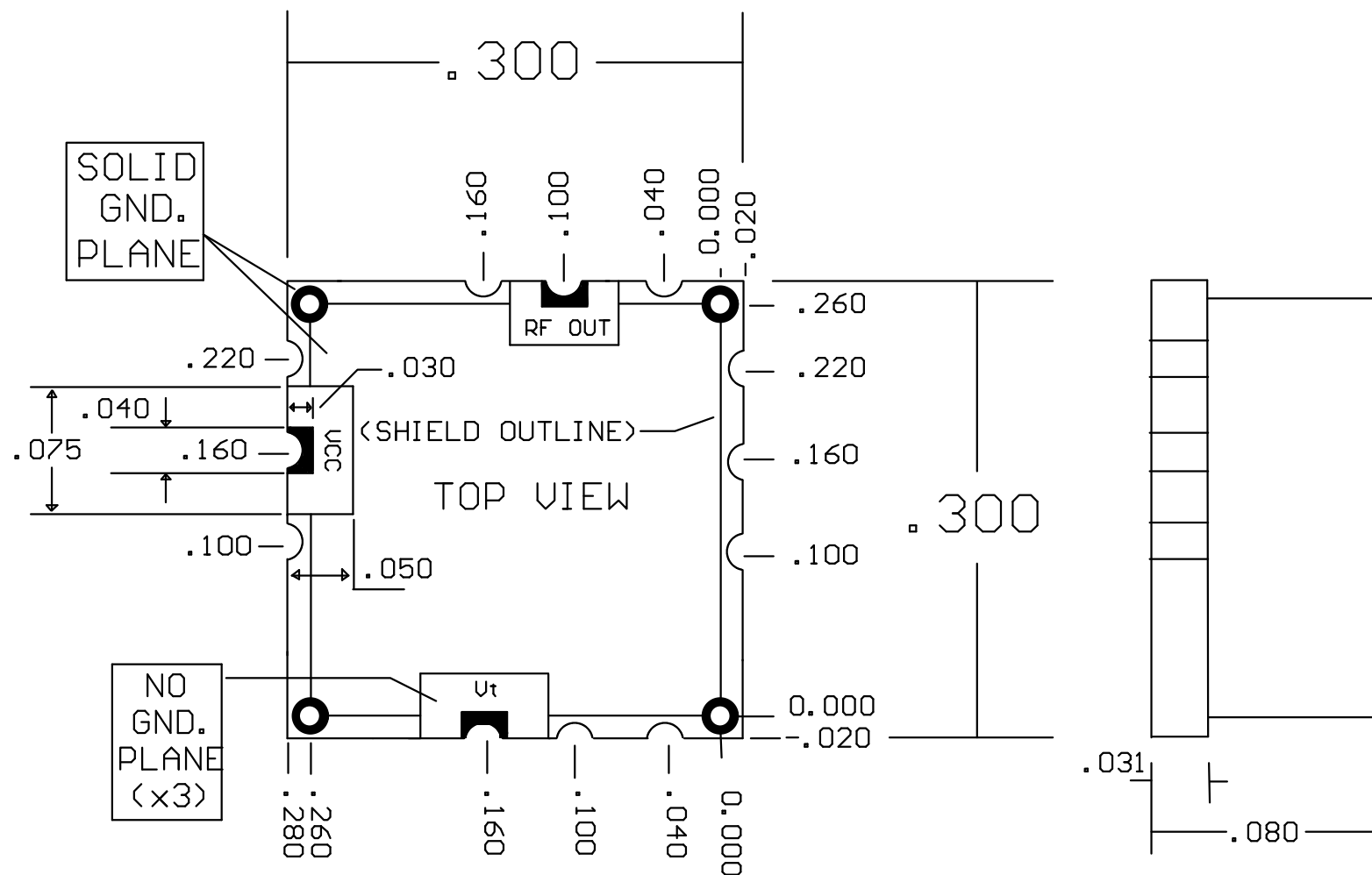
initial rev

						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	3000		3100	MHz	1	☐	☐
Tuning Voltage	0		5	V	1	☐	☐
Mod Sensitivity		50		MHz/V	1,6	☐	☐
Operates with Vtune = 0V					1	☐	☐
Output Power	5	7	9	dBm	1	☐	☐
Phase Noise @							
1 KHz Offset		-70	-67	dBc/Hz	1,6	☐	☐
10 KHz Offset		-97	-94	dBc/Hz	1,6	☐	☐
100 KHz Offset		-118	-115	dBc/Hz	1,6	☐	☐
1 MHz Offset		-138	-135	dBc/Hz	1,6	☐	☐
Pushing		0.4		MHz/V	3	☐	☐
Pulling (12 dB R.L., any phase)		5		MHz _{peak}	3	☐	☐
Modulation Bandwidth		1		MHz	4	☐	☐
Tuning Port Capacitance		22		pF	2,6	☐	☐
Harmonics		-20	-10	dBc	3,6	☐	☐
Vcc		5		V	5	☐	☐
Icc		16		mA	1,6	☐	☐
Operating Temperature	-40		+85	C	3	☐	☐
Package		0.300		inch sq.	5	☐	☐
Height		0.080		inches	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. Design goal subject change

SMM PACKAGE - TOP VIEW, BOT SIDE



NOTES

1. Except for output pins, bottom is solid ground plane except where indicated.
2. All holes are plated through.