



VCO R4000SMM4R5

rev_0

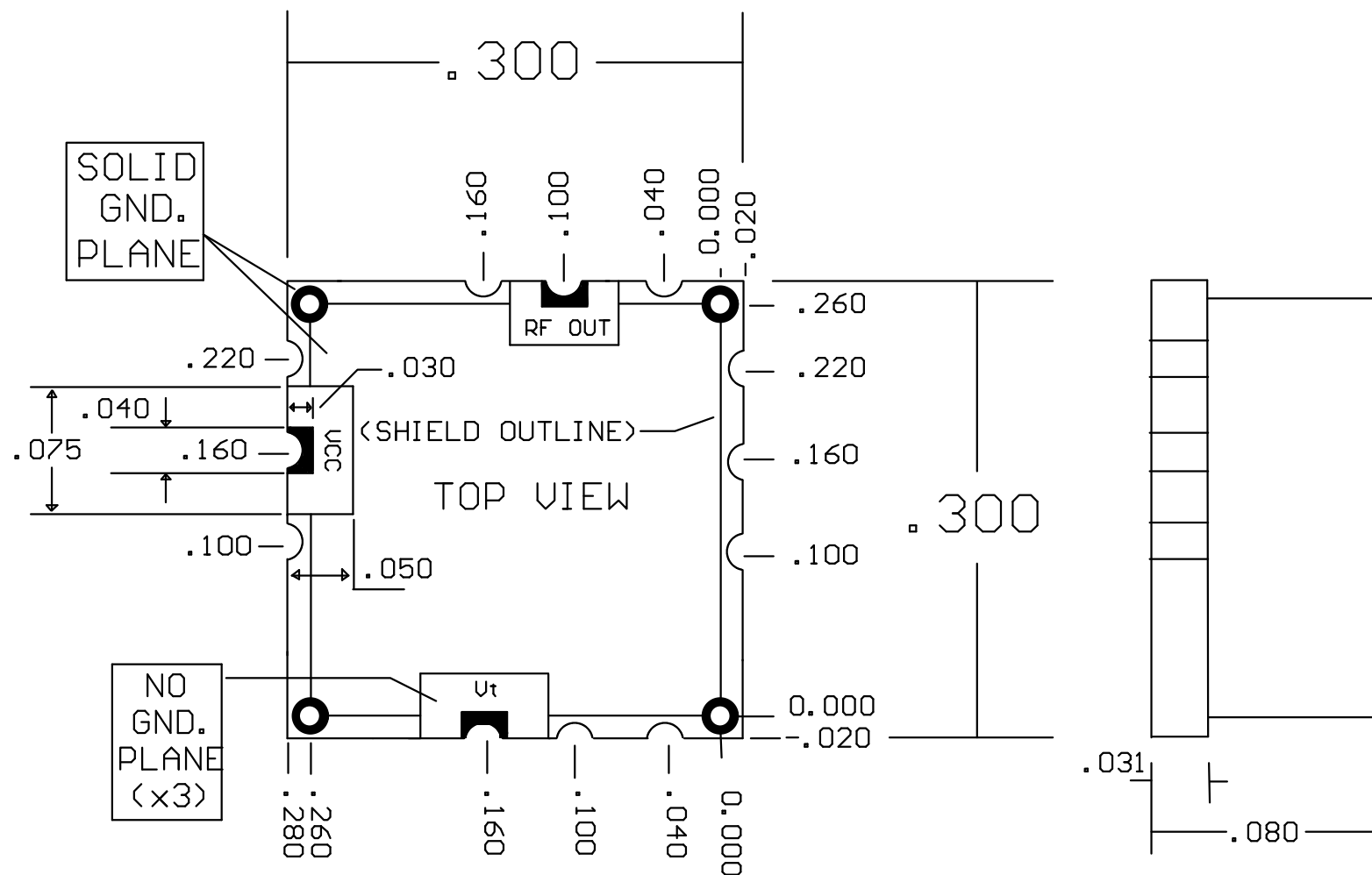
initial rev

	<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		4000		MHz	1	..	..
Tuning Voltage	0.5		4.5	V	1	..	..
Modulation Sensitivity		18		MHz/V	1,7	..	..
Operates with Vtune = 0V					1	..	..
Output Power	0	3	6	dBm	1	..	..
Phase Noise @							
1 KHz Offset		-71	-66	dBc/Hz	1	..	..
10 KHz Offset		-98	-93	dBc/Hz	1	..	..
100 KHz Offset		-118	-113	dBc/Hz	1	..	..
1 MHz Offset		-138	-133	dBc/Hz	1	..	..
10 MHz Offset		-	-	dBc/Hz	1	..	..
Pushing		5		MHz/V	3	..	..
Pulling (12dB RL, any phase)		10		MHz _{p-p}	3	..	..
Modulation Bandwidth		10		MHz	4	..	..
Tuning Port Capacitance		10		pF	2,7	..	..
Harmonics		-10	-5	dBc	3	..	..
Vcc		4.5		V		..	..
Icc		15	35	mA	1,7	..	..
Operating Temperature	-40		+85	C	3	..	..
Package		SMM			6	..	..
LxW		0.300		inch sq.	5	..	..
Height		0.080		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. Design goal subject to 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.