VCO R400514SMUA4R5_DBL_085

rev_0	initial rev

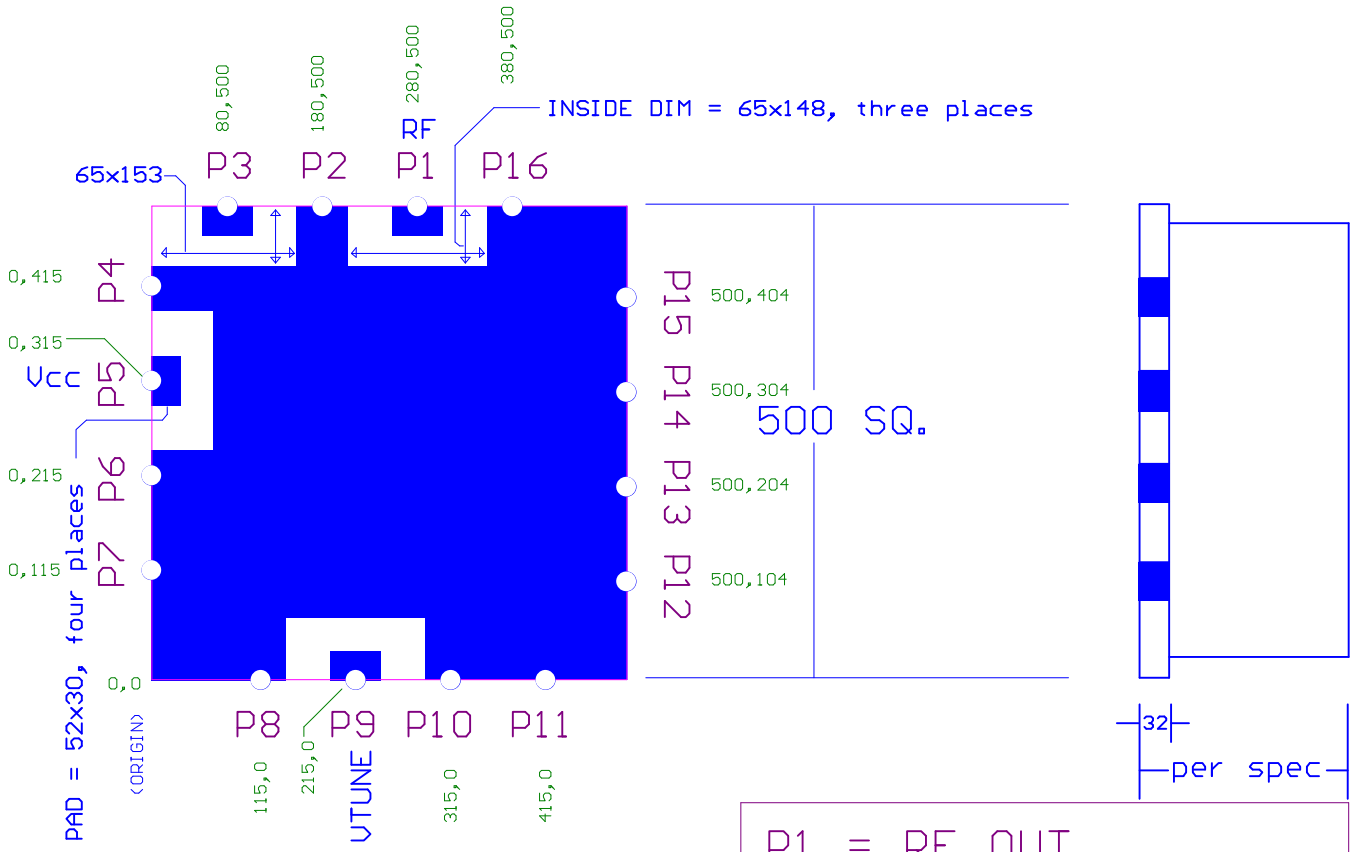
	MIN	TYP	MAX	UNITS	NOTES	Production Test	First Article Test
Frequency Range	4000		5140	MHz	1	..	..
Tuning Voltage	1		18	V	1	..	..
Modulation Sensitivity		75		MHz/V	1	..	..
Operates with Vtune = 0V					1	..	..
Output Power - Fundamental	-7	-2	3	dBm	1	..	..
Output Power - Half Frequency	-10	-5	0	dBm	3	..	..
Phase Noise @							
1 KHz Offset		-66	-61	dBc/Hz	1	..	..
10 KHz Offset		-93	-88	dBc/Hz	1	..	..
100 KHz Offset		-113	-108	dBc/Hz	1	..	..
1 MHz Offset		-133	-128	dBc/Hz	1	..	..
10 MHz Offset		-153	-148	dBc/Hz	1	..	..
Pushing		2		MHz/V	3	..	..
Pulling (12dB RL, any phase)		1		MHz_{p-p}	3	..	..
Modulation Bandwidth		5		MHz	4	..	..
Tuning Port Capacitance		47		pF	2	..	..
Harmonics		-15	-8	dBc	3	..	..
Sub-Harmonics		-25	-8	dBc	3	..	..
Vcc		4.5		V			
Icc		50		mA	1	..	..
Operating Temperature	-40		+85	C	3	..	..
Package		SMUA_DBL			6	..	..
LxW		0.500		inch sq.	5	..	..
Height		0.085		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

DBL FOOTPRINT

TOP VIEW, BOT SIDE



NOTES

1. Bottom is solid ground plane.
2. All dimensions in mils
3. All holes are plated through.

P1 = RF OUT
P3 = 1/2 FREQUENCY
P5 = Vcc
P9 = VTUNE
ALL OTHER PINS GNDED