

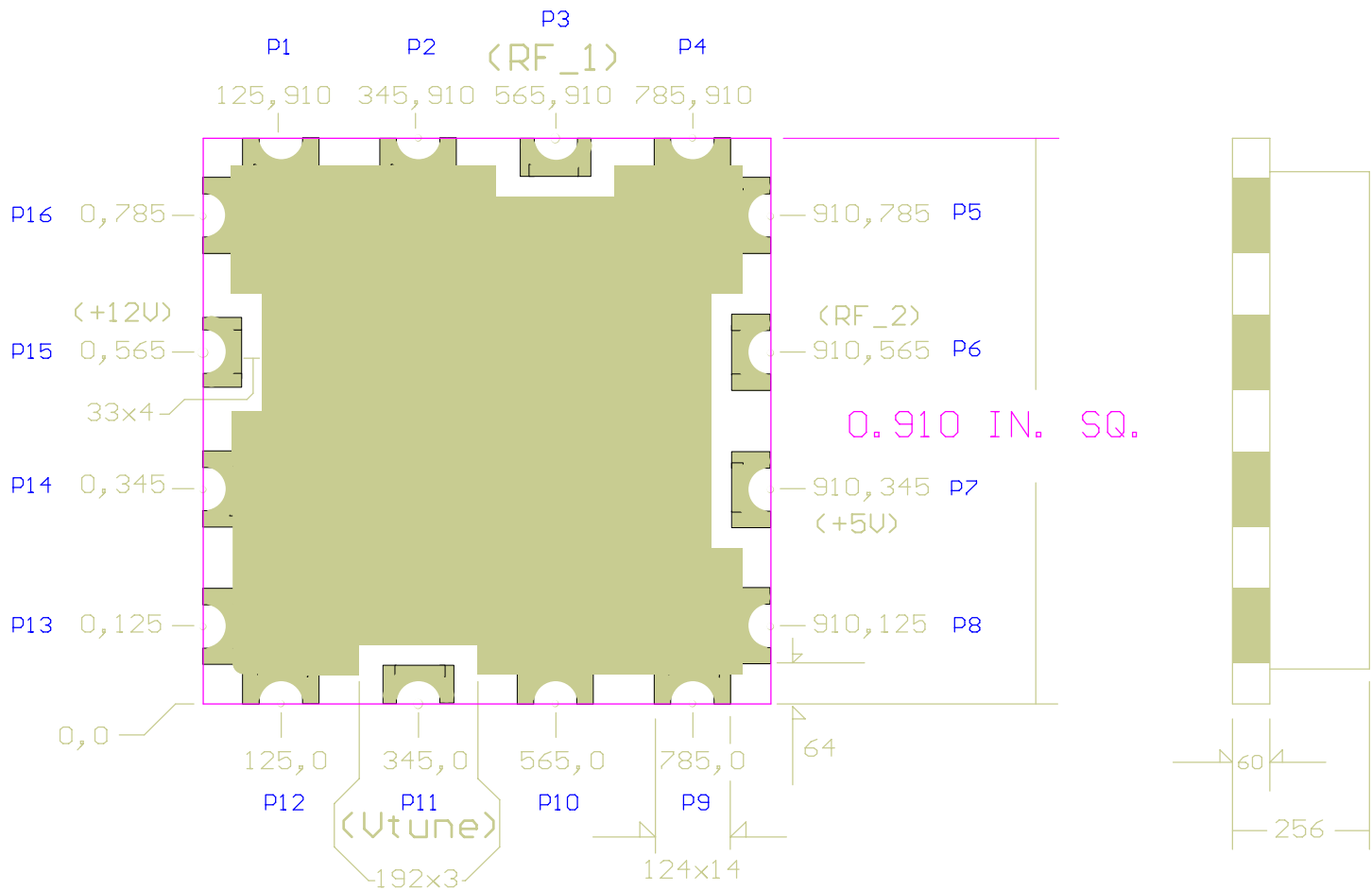


	<u>MIN</u>	<u>TYP</u>	<u>MAX</u>	<u>UNITS</u>	<u>NOTES</u>	Production <u>Test</u>	First Article <u>Test</u>
Operational Range	4400.0	4418.8	4437.5	MHz	1	☐	☐
Frequency Range	4395.0		4442.5	MHz	1	☐	☐
Tuning Voltage	0		10	V	1	☐	☐
Modulation Sensitivity		10		MHz/V	3,7		☐
Operates with Vtune = 0V					1	☐	☐
Output Power (4418MHz) - RF_1	10			dBm	1	☐	☐
Output Power (2209MHz) - RF_2	-5	-3	-1	dBm	1	☐	☐
Phase Noise @							
1 KHz Offset		-83	-80	dBc/Hz	2	☐	☐
10 KHz Offset		-110	-107	dBc/Hz	3	☐	☐
100 KHz Offset		-130	-127	dBc/Hz	2	☐	☐
1 MHz Offset		-145	-142	dBc/Hz	2	☐	☐
Pushing			0.2	MHz/V	3		☐
Pulling (12 dB R.L.)			1	MHz	3		☐
Modulation Bandwidth		N/A		MHz	4		
Tuning Port Capacitance		100		pF	2		
Harmonics		-20		dBc	3		☐
Sub-Harmonics		-20		dBc	3		☐
Vcc_1		12		V	5		☐
Icc_1		30	40	mA	3	☐	☐
Vcc_2		5		V	5		☐
Icc_2		77	93	mA	3	☐	☐
Operating Temperature	-40		+85	C	3		☐
Package		0.910		inch sq.	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 to change
7. Not to exceed 2:1 max to min, operational range

TOP VIEW, BOT SIDE



NOTES

PINOUT

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P3 = RF_1 OUT
P6 = RF_2 OUT
P7 = +5V
P15 = +12V
P11 = Vtune
ALL OTHER PINS = GND
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