

1200MHz VOLTAGE CONTROLLED OSCILLATOR

ACV2-100-1200



Dimensions: 0.91 x 0.91 x 0.22in

STANDARD SPECIFICATIONS:

	Min	Typ	Max	Units	Cond.
Frequency Range	1200		2100	MHz	1
Tuning Voltage	0.5		25	V	1
Modulation Sensitivity	20		70	MHz/V	3
Operates with Vtune = 0V					3
Output Power	2.5		9.5	dBm	1
Phase Noise					
1KHz Offset			-70	dBc/Hz	2
10KHz Offset			-95	dBc/Hz	3
100KHz Offset			-120	dBc/Hz	2
1MHz Offset			-140	dBc/Hz	2
Pushing			10	MHz/V	3
Pulling (14 db R.L.)			25	MHz	3
Modulation Bandwidth:			5	MHz	4
Tuning Port Capacitance			50	pF	2
Harmonics				dBc	3
Sub-Harmonics	2 nd		-8	dBc	3
	3 rd		-15	dBc	3
	4 th		-20	dBc	3
Vcc	11.5	12	12.5	V	5
Icc			35	mA	5
Operating Temperature	-40		+85	C	3
Package		0.50		inch sq.	5

COND. NOTES:

1. Tested in production
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

MARKING:

- 2450
 - ACV2ZY
- (Z for month, Y for year
ex. D3 for April 2003)

NOTES:

1. Except for output pins, bottom is solid ground plane
2. All dimensions in mils.
3. All holes are plated through

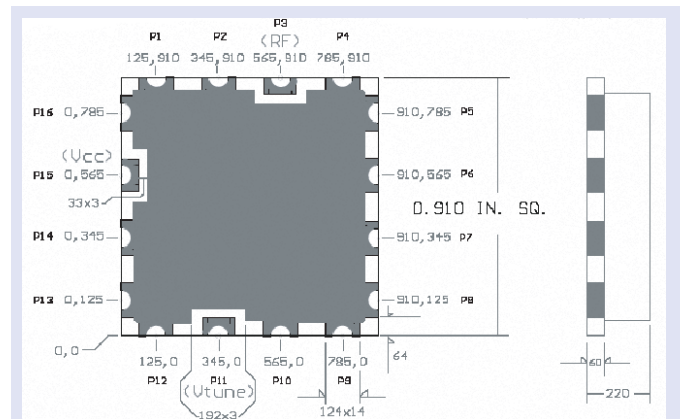
LABEL ARROW POINTS TO RF OUT

PINOUT

P3 = RF OUT
P11 = Vtune
P15 = Vcc
ALL OTHER PINS = GND

OPTION T for Tape and Reel

OUTLINE DRAWING:



Dimensions: inch (mm)