

1600MHz VOLTAGE CONTROLLED OSCILLATOR

ACV2-100-1600



Dimensions: 0.91 x 0.91 x 0.22in

STANDARD SPECIFICATIONS:

	Min	Typ	Max	Units	Cond.
Frequency Range	1600		2700	MHz	1
Tuning Voltage	0		17	V	1
Modulation Sensitivity	45	65	90	MHz/V	3
Operates with Vtune = 0V					3
Output Power	3	5	7	dBm	1
Phase Noise					
1KHz Offset		-73	-70	dBc/Hz	2
10KHz Offset		-98	-95	dBc/Hz	3
100KHz Offset		-118	-115	dBc/Hz	2
1MHz Offset		-138	-135	dBc/Hz	2
Pushing		1.5		MHz/V	3
Pulling (14 db R.L.)		5		MHz	3
Modulation Bandwidth:		N/A		MHz	4
Tuning Port Capacitance		47		pF	2
Harmonics			-10	dBc	3
Sub-Harmonics	2 nd	N/A		dBc	3
	3 rd			dBc	3
	4 th			dBc	3
Vcc		11		V	5
Icc		25		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

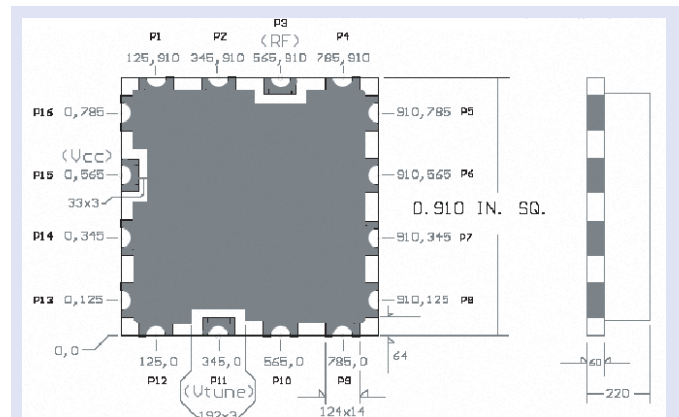
LABEL ARROW POINTS TO RF OUT

PINOUT

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

OPTION T for Tape and Reel

OUTLINE DRAWING:



Dimensions: inch (mm)