

1500MHz VOLTAGE CONTROLLED OSCILLATOR

ACRO-100-1500



Dimensions: 0.91 x 0.91 x 0.22in

STANDARD SPECIFICATIONS:

	Min	Typ	Max	Units	Cond.
Frequency Range	1500		1540	MHz	1
Tuning Voltage	1		10	V	1
Modulation Sensitivity	4		11	MHz/V	3
Operates with Vtune = 0V					3
Output Power	4		11	dBm	1
Phase Noise					
1KHz Offset			-85	dBc/Hz	2
10KHz Offset			-115	dBc/Hz	3
100KHz Offset			-138	dBc/Hz	2
1MHz Offset			-152	dBc/Hz	2
Pushing			2	MHz/V	3
Pulling (14 db R.L.)			25	MHz	3
Modulation Bandwidth:			5	MHz	4
Tuning Port Capacitance			50	pF	2
Harmonics			-15	dBc	3
Sub-Harmonics 2 nd			-15	dBc	3
3 rd			-15	dBc	3
4 th			-15	dBc	3
Vcc	7.5	8	8.5	V	5
Icc			40	mA	5
Operating Temperature	-40		+85	C	3
Package		9.1		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

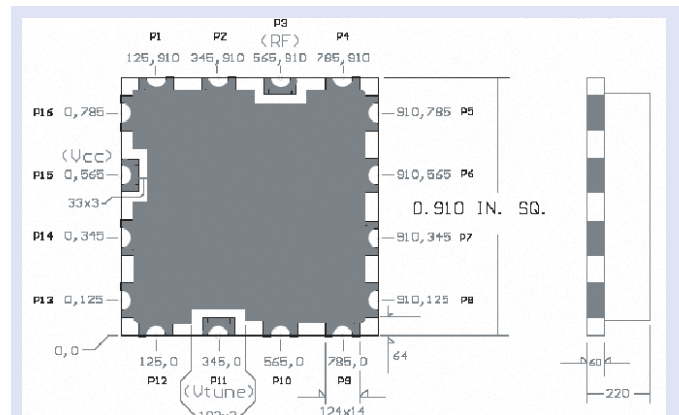
LABEL ARROW POINTS TO RF OUT

PINOUT

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

OPTION T for Tape and Reel

OUTLINE DRAWING:



Dimensions: inch (mm)