

400MHz VOLTAGE CONTROLLED OSCILLATOR

ACV2-100-400



Dimensions: 0.50 x 0.50 x 0.22in

STANDARD SPECIFICATIONS:

	Min	Typ	Max	Units	Cond.
Frequency Range	400		800	MHz	1
Tuning Voltage	0		12	V	1
Modulation Sensitivity		43		MHz/V	3
Operates with Vtune = 0V					3
Output Power	2	5	8	dBm	1
Phase Noise					
1KHz Offset		-79		dBc/Hz	2
10KHz Offset		-104		dBc/Hz	3
100KHz Offset		-124		dBc/Hz	2
1MHz Offset		-144		dBc/Hz	2
Pushing			6	MHz/V	3
Pulling (14 db R.L.)			2	MHz	3
Modulation Bandwidth:		N/A		MHz	4
Tuning Port Capacitance			150	pF	2
Harmonics			-7	dBc	3
Sub-Harmonics	2 nd	N/A		dBc	3
	3 rd			dBc	3
	4 th			dBc	3
Vcc		5		V	5
Icc		15		mA	5
Operating Temperature	-10		+70	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

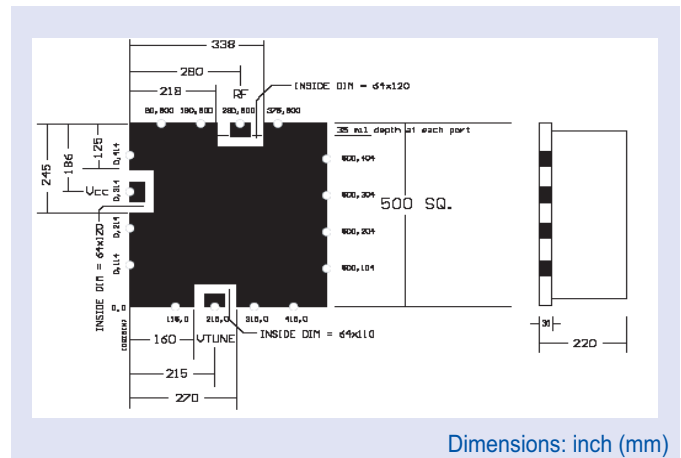
LABEL ARROW POINTS TO RF OUT

PINOUT

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

OPTION T for Tape and Reel

OUTLINE DRAWING:



Dimensions: inch (mm)