

1370MHz VOLTAGE CONTROLLED OSCILLATOR

ACRO-100-1370



Dimensions: 0.50 x 0.50 x 0.22in

STANDARD SPECIFICATIONS:

	Min	Typ	Max	Units	Cond.
Frequency Range		1370		MHz	1
Tuning Voltage	1		4	V	1
Modulation Sensitivity	3	4	5	MHz/V	3
Operates with Vtune = 0V					3
Output Power	5	7	9	dBm	1
Phase Noise					
1KHz Offset		-92		dBc/Hz	2
10KHz Offset		-117		dBc/Hz	3
100KHz Offset		-137		dBc/Hz	2
1MHz Offset		-157		dBc/Hz	2
Pushing			3	MHz/V	3
Pulling (14 db R.L.)			3	MHz	3
Modulation Bandwidth:		N/A		MHz	4
Tuning Port Capacitance			100	pF	2
Harmonics			-15	dBc	3
Sub-Harmonics	2 nd	N/A		dBc	3
	3 rd			dBc	3
	4 th			dBc	3
Vcc		11		V	5
Icc		21		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

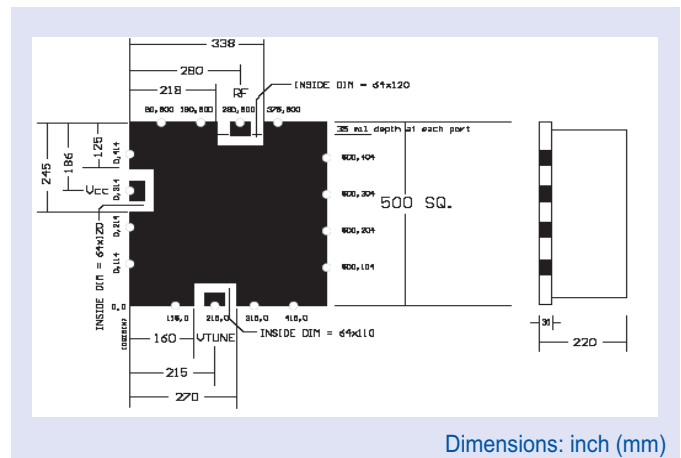
LABEL ARROW POINTS TO RF OUT

PINOUT

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

OPTION T for Tape and Reel

OUTLINE DRAWING:



Dimensions: inch (mm)

ABRACON IS
ISO 9001 / QS 9000
CERTIFIED

rev1.1-9/05



30332 Esperanza, Rancho Santa Margarita, California 92688
tel 949-546-8000 | fax 949-546-8001 | www.abracon.com