

42MHz VOLTAGE CONTROLLED OSCILLATOR

ACV2-100-42



Dimensions: 0.50 x 0.50 x 0.22in

STANDARD SPECIFICATIONS:

	Min	Typ	Max	Units	Cond.
Frequency Range	42		46	MHz	1
Tuning Voltage	0.5		4.5	V	1
Modulation Sensitivity		3		MHz/V	3
Operates with Vtune = 0V					3
Output Power	-3.0	1.0	+1.0	dBm	1
Phase Noise					
1KHz Offset		-97		dBc/Hz	2
10KHz Offset		-122		dBc/Hz	3
100KHz Offset		-142		dBc/Hz	2
1MHz Offset				dBc/Hz	2
Pushing			1	MHz/V	3
Pulling (14 db R.L.)			1	MHz	3
Modulation Bandwidth:		N/A		MHz	4
Tuning Port Capacitance		500		pF	2
Harmonics		-25		dBc	3
Sub-Harmonics	2 nd	N/A		dBc	3
	3 rd			dBc	3
	4 th			dBc	3
Vcc		5		V	5
Icc		8		mA	5
Operating Temperature	-30		+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

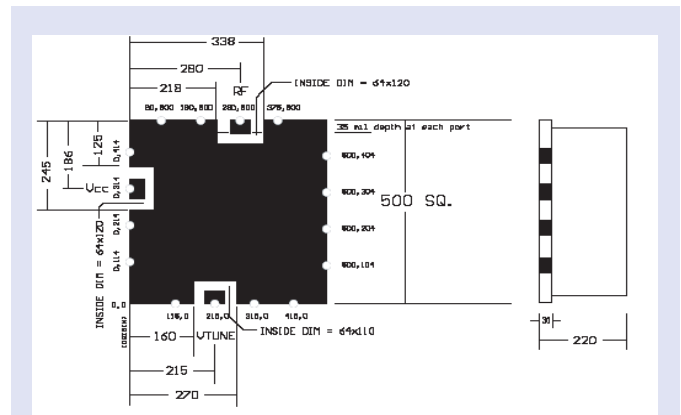
LABEL ARROW POINTS TO RF OUT

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



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