130MHz VOLTAGE CONTROLLED OSCILLATOR

ACV2-100-130

Dimensions: 0.50 x 0.50x 0.22in

STANDARD SPECIFICATIONS:

	Min	Typ	Max	Units	Cond.
Frequency Range	130	140	150	MHz	1
Tuning Voltage	0.5		6	V	1
Modulation Sensitivity	4	6	8	MHz/V	3
Operates with Vtune = 0V					3
Output Power	4	6	8	dBm	1
Phase Noise					
1KHz Offset			-73	dBc/Hz	2
10KHz Offset			-98	dBc/Hz	3
100KHz Offset			-118	dBc/Hz	2
1MHz Offset			-138	dBc/Hz	2
Pushing			2	MHz/V	3
Pulling (14 db R.L.)			11	MHz	3
Modulation Bandwidth:		N/A		MHz	4
Tuning Port Capacitance		1200		pF	2
Harmonics			-5	dBc	3
Sub-Harmonics 2nd		N/A		dBc	3
3rd				dBc	3
4th				dBc	3
Vcc	8.75	9	9.25	V	5
Icc			35	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:

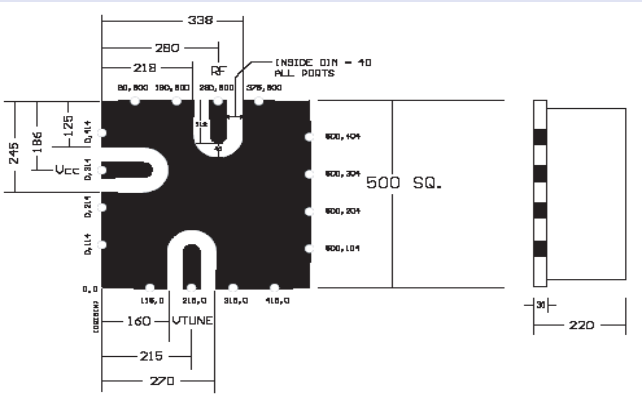
1. Except for output pins, bottom is solid ground plane
2. All dimensions in mils.
3. All holes are plated through

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)

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