

2140MHz VOLTAGE CONTROLLED OSCILLATOR

ACV2-200-2140



Dimensions: 0.70 x 0.70 x 0.18in

STANDARD SPECIFICATIONS:

	Min	Typ	Max	Units	Cond.
Frequency Range	2140		3700	MHz	1
Tuning Voltage	0.5		24	V	1
Modulation Sensitivity		100		MHz/V	3
Operates with Vtune = 0V					3
Output Power	2	4	6	dBm	1
Phase Noise					
1KHz Offset		-65		dBc/Hz	2
10KHz Offset		-90		dBc/Hz	3
100KHz Offset		-110		dBc/Hz	2
1MHz Offset		-130		dBc/Hz	2
Pushing			25	MHz/V	3
Pulling (14 db R.L.)			25	MHz	3
Modulation Bandwidth:		N/A		MHz	4
Tuning Port Capacitance		50		pF	2
Harmonics		-10		dBc	3
Sub-Harmonics 2 nd		N/A		dBc	3
3 rd				dBc	3
4 th				dBc	3
Vcc	11.75	12.00	12.25	V	5
Icc			35	mA	5
Operating Temperature	-40		+85	C	3
Package		0.70		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

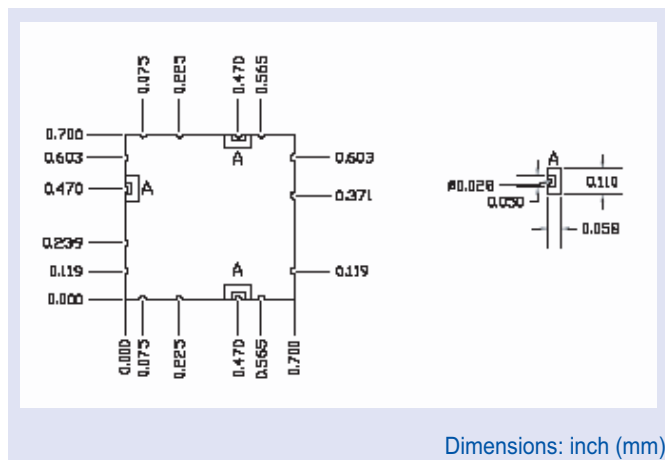
LABEL ARROW POINTS TO RF OUT

PINOUT

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

OPTION T for Tape and Reel

OUTLINE DRAWING:



Dimensions: inch (mm)