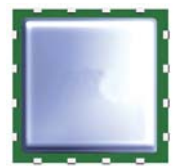


# 2488MHz VOLTAGE CONTROLLED OSCILLATOR

ACV3-200-2488



Dimensions: 0.91 x 0.91 x 0.22in

## STANDARD SPECIFICATIONS:

	Min	Typ	Max	Units	Cond.
Frequency Range	2488		2845	MHz	1
Tuning Voltage	0		15	V	1
Modulation Sensitivity		27		MHz/V	3
Operates with Vtune = 0V					3
Output Power	-2	0	+2	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			3.5	MHz/V	3
Pulling (14 db R.L.)			1	MHz	3
Modulation Bandwidth:		N/A		MHz	4
Tuning Port Capacitance				pF	2
Harmonics			-10	dBc	3
Sub-Harmonics	2 <sup>nd</sup>	N/A		dBc	3
	3 <sup>rd</sup>			dBc	3
	4 <sup>th</sup>			dBc	3
Vcc	11.75	12	12.25	V	5
Icc		27		mA	5
Operating Temperature	-40		+85	C	3
Package		0.91		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

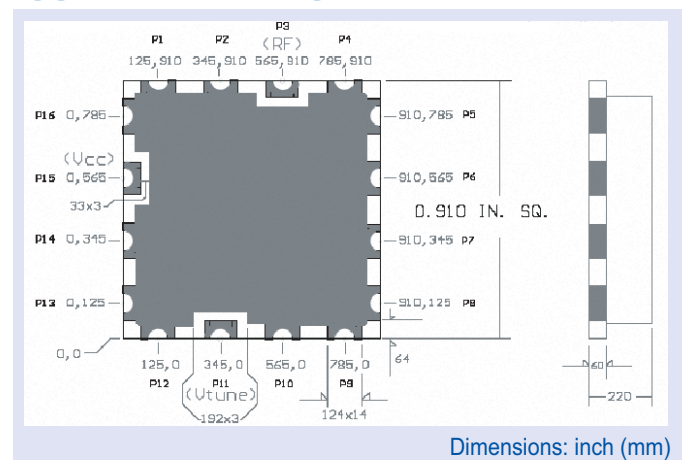
**LABEL ARROW POINTS TO RF OUT**

### PINOUT

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

**OPTION T for Tape and Reel**

## OUTLINE DRAWING:



Dimensions: inch (mm)