

# 1600MHz VOLTAGE CONTROLLED OSCILLATOR

ACV2-100-1600



Dimensions: 0.91 x 0.91 x 0.22in

## STANDARD SPECIFICATIONS:

	Min	Typ	Max	Units	Cond.
Frequency Range	1750		2500	MHz	1
Tuning Voltage	0		30	V	1
Modulation Sensitivity	25		55	MHz/V	3
Operates with Vtune = 0V					3
Output Power	6	8	10	dBm	1
Phase Noise					
1KHz Offset		-80		dBc/Hz	2
10KHz Offset		-105		dBc/Hz	3
100KHz Offset		-125		dBc/Hz	2
1MHz Offset		-145		dBc/Hz	2
Pushing			1	MHz/V	3
Pulling (14 db R.L.)			5	MHz	3
Modulation Bandwidth:		N/A		MHz	4
Tuning Port Capacitance		50		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			45	mA	5
Operating Temperature	0		+70	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:

