1000MHz VOLTAGE CONTROLLED OSCILLATOR

ACV2-100-1000

Dimensions: 0.50 x 0.50x 0.22in

STANDARD SPECIFICATIONS:

	Min	Typ	Max	Units	Cond.
Frequency Range	1000		2000	MHz	1
Tuning Voltage	0		20	V	1
Modulation Sensitivity	47	66	78	MHz/V	3
Operates with Vtune = 0V					3
Output Power	10	12	14	dBm	1
Phase Noise					
1KHz Offset		-75		dBc/Hz	2
10KHz Offset		-100		dBc/Hz	3
100KHz Offset		-120		dBc/Hz	2
1MHz Offset		-140		dBc/Hz	2
Pushing		3		MHz/V	3
Pulling (14 db R.L.)		5		MHz	3
Modulation Bandwidth:		N/A		MHz	4
Tuning Port Capacitance		1200		pF	2
Harmonics		-10		dBc	3
Sub-Harmonics 2nd		N/A		dBc	3
3rd				dBc	3
4th				dBc	3
Vcc		10		V	5
Icc		30		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

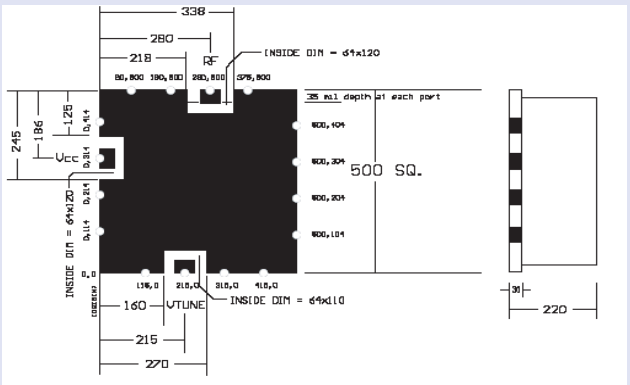
LABEL ARROW POINTS TO RF OUT

PINOUT

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

OPTION T for Tape and Reel

OUTLINE DRAWING:



Dimensions: inch (mm)

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