

### FEATURES

- SMALL SMD PACKAGE
- LOW JITTER
- 3rd OVERTONE CRYSTAL DESIGN

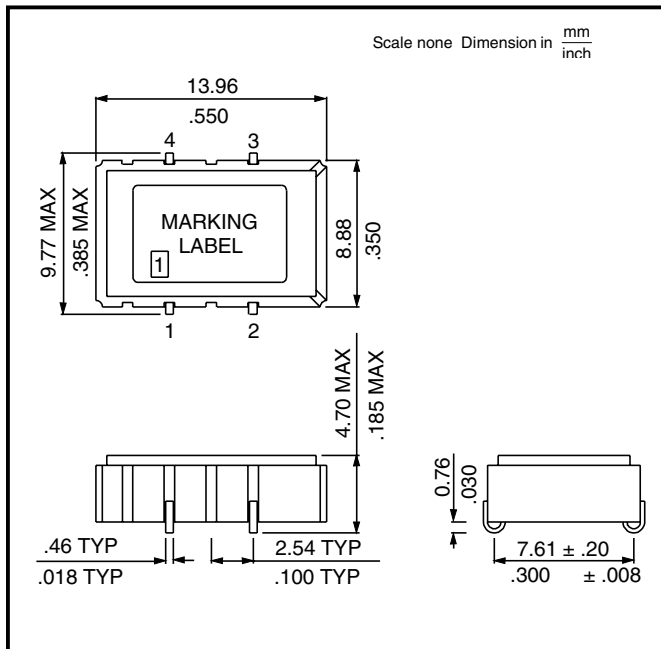
### MODEL CO8920A

### SPECIFICATIONS

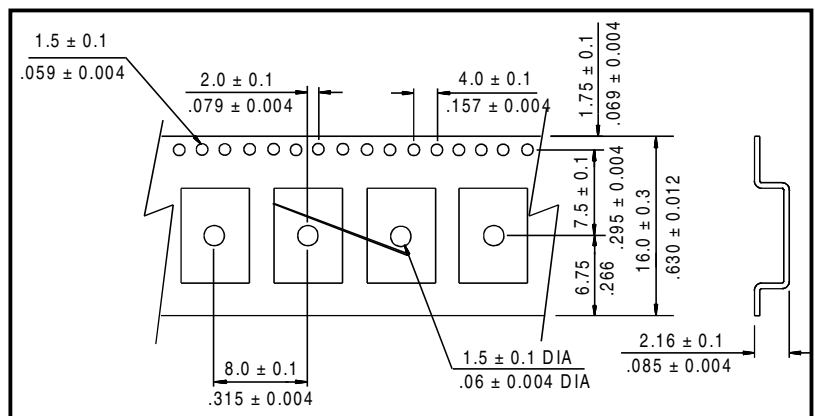
REVISION: B  
DATE: 10/26/01

PARAMETER	SYMBOL	CONDITIONS	VALUE	UNIT
FREQUENCY, NOM	$f_o$	-	125.00, 133.00, 156.25	MHz
SUPPLY VOLTAGE, NOM.	$V_{cc}$	$V_{cc} = \pm 5\%$	3.3	V
SUPPLY CURRENT, MAX.	$I_s$	$V_{cc} = +3.3VDC$ , $T_a = +25^\circ C$ , $50\Omega$ to $+1.3VDC$ load	135	mA
PECL OUTPUT	$VOH/VOL$	load = $50\Omega$ to $+1.3VDC$ , $V_{cc}$ , nom.	2.275/1.68	V
DUTY CYCLE	DC	load = $50\Omega$ to $+1.3VDC$ / $50\%V_{cc}$	45...55	%
RISE AND FALL TIME	$t_r / t_f$	20%~80% $V_{out}$ , 80%~20% $V_{out}$	1.7	ns
JITTER, RMS, MAX	J	$1\sigma$ , $F_j = 12KHz...20MHz$	1	ps
OVERALL FREQ. STABILITY, MAX.	$\Delta f/f_c$	INCLUDING TEMPERATURE, $\pm 5\%$ LOAD & SUPPLY VARIATION, & 10 YEARS AGING	$\pm 20.0$	ppm
FREQ. CALIBRATION TOLERANCE, MAX	$(f_o - f_c)/f_o$	$V_{cc} = +3.3VDC$ , $T_a = +25^\circ C$ , $50\Omega$ to $+1.3VDC$ load	$\pm 15.0$	ppm
OPERATING TEMPERATURE RANGE	$T_a$	-	-40...+85	$^\circ C$
STORAGE TEMPERATURE RANGE	$T(stg)$	-	-55...+90	$^\circ C$

### OUTLINE DRAWING



### CARRIER TAPE DIMENSIONS



### ENABLE / DISABLE FUNCTION TABLE

PIN	FUNCTION
1	N/C
2	CASE/GND
3	OUTPUT
4	$V_{cc}$

### EXAMPLE:

CO8920A-D3-125.000-C-T-4

### REFLOW SOLDERING PROFILE

