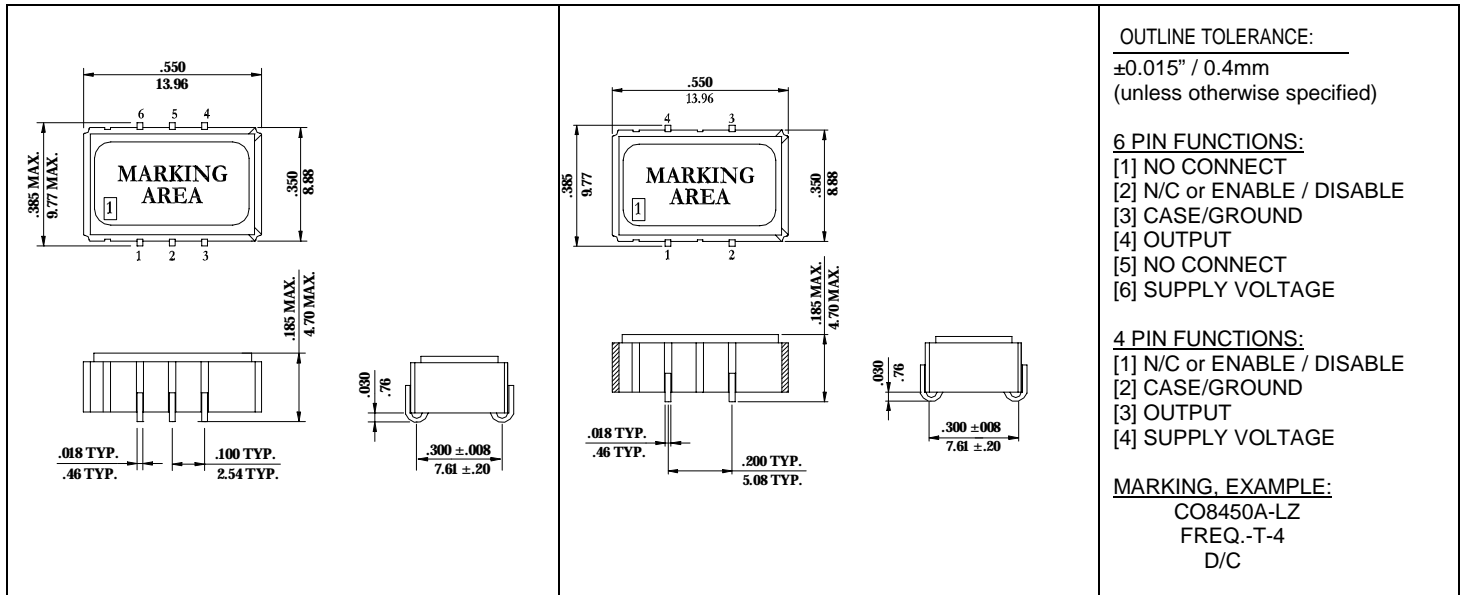


### HCMOS, 9x14, J-LEAD, CLOCK

(SEE PART NUMBERING SYSTEM FOR PART NUMBER)

**RoHS COMPLIANT / LEAD FREE**

#### MECHANICAL SPECIFICATION



#### ELECTRICAL SPECIFICATION

PARAMETER	SYMBOL	CONDITIONS	VALUE	UNIT
Frequency, nom	fo	-	1.000-160.000	MHz
Supply voltage, nom.	Vcc	Vcc±5%	+3.3      +5.0	V
Supply current, max.	Is	Vcc=+3.3/+5.0VDC, Ta=+25°C, load=15pF	35.0...70.0	mA
HCMOS/TTL compatible output	VOH / VOL	Vcc=+3.3/+5.0VDC, load=15pF	2.97 / 0.33      4.5 / 0.5	V
Duty cycle	DC	load=15pF / @50%Vcc, Ta=+25°C	40...60 OR 45...55	%
Rise- / fall time, max.	tr / tf	20%~80% Vout, 80%~20% Vout	3.0...10.0	ns
Overall freq. stability, max.	Δf/fc	Including operating temperature, ±5% load & supply variations, 10 year aging, and calibration @+25°C	±20.0...±100.0	ppm
Enable option (pin 2)	En	High or open (min.)	+2.4	V
Disable option (pin 2)	Dis	Ground (output pin high impedance) (max.)	+0.4	V
Jitter, rms, max.	J	1σ, Fj=12KHz...20MHz	1.0	ps
Operating temperature range	Ta	-	0...+70 TO -40...+85	°C
Storage temperature range	T(stg)	-	-55...+125	°C
Absolute voltage range	Vcc(abs)	Non-destructive, DC	-0.5...+7.0	V

#### PART NUMBERING SYSTEM:

PACKAGE	OUTPUT TYPE	STABILITY	TEMP. RANGE	REV.	FREQ. (MHz)	OPTIONS
<b>CO8-</b> NO ENABLE /DISABLE	<b>2-</b> +5VOLT HCMOS	<b>**20:</b> ±20ppm	<b>LV:</b> 0°C...+50°C	<b>A</b>	1.000- <b>160.000*</b> (fundamental or 3OT design)	<b>T:</b> TIGHT SYMM. <b>4:</b> FOUR PINS
<b>CE8-</b> ENABLE /DISABLE	<b>4-</b> +3.3VOLT HCMOS	<b>**25:</b> ±25ppm	<b>JZ:</b> -10°C...+70°C			
		<b>50:</b> ±50ppm <b>00:</b> ±100ppm	<b>LZ:</b> 0°C...+70°C <b>D3:</b> -40°C...+85°C			

EX. CO8400A-LZ-77.760-T-4

**DEVIATIONS FROM STANDARD ARE AVAILABLE, PLEASE CONSULT FACTORY.**

• **FROM 125.000 MHz TO 160.000 MHz ONLY 3.3V SUPPLY IS AVAILABLE.**

\*\* Not Available with industrial temperature option

