

SERIES CO418

- **FEATURES**
 - ULTRA SMALL PACKAGE
 - EXCELLENT FOR HIGH DENSITY PACKAGING
 - STANDBY CURRENT

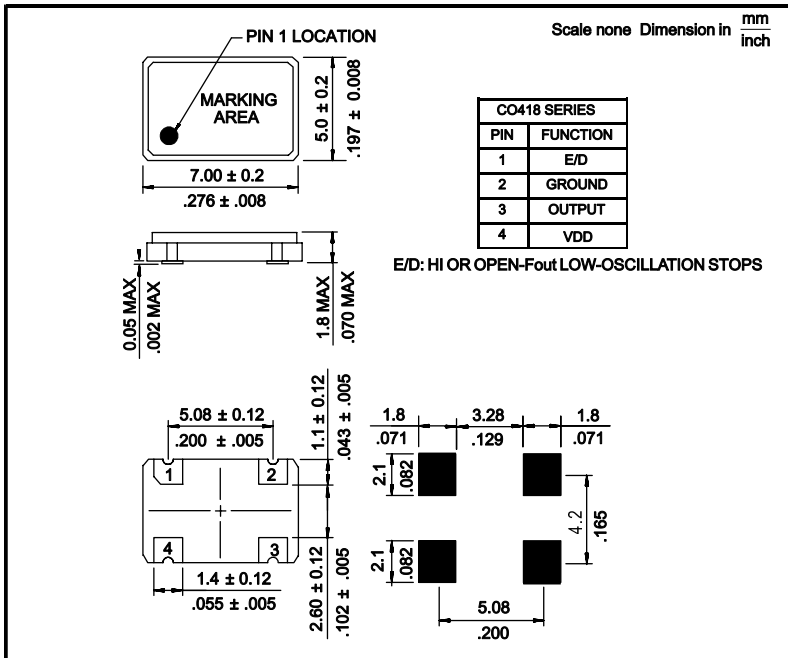
- **SPECIFICATIONS**

SERIES	CO418	
FREQUENCY RANGE	1.544 MHz TO 125.00 MHz	
FREQUENCY STABILITY**	± 100 PPM ± 50 PPM ± 25 PPM* ± 20 PPM*	
TEMPERATURE RANGE	OPERATING	-10°C TO +70°C
	EXTENDED	-40°C TO +85°C
	STORAGE	-55°C TO +125°C
INPUT	VOLTAGE	1.8 VDC $\pm 5\%$
	CURRENT	1.544 MHz TO 25.000 MHz: 3 mA MAX 25.001 MHz TO 40.000 MHz: 4 mA MAX 40.001 MHz TO 70.000 MHz: 10 mA MAX 70.001 MHz TO 125.000 MHz: 20 mA MAX
OUTPUT	LOAD	15 pF CMOS MAX
	SYMMETRY	NORMAL: 40% TO 60% TIGHT: 45% TO 55%
	LEVEL	LOGIC "0": 0.18 VDC MAX LOGIC "1": 1.62 VDC MAX
	RISE/FALL TIME (20% TO 80%)	1.544 MHz TO 35.000 MHz: 6 ns MAX 35.001 MHz TO 70.000 MHz: 3 ns MAX 70.001 MHz TO 125.000 MHz: 2 ns MAX
STANDBY CURRENT	10 μ A MAX	
ENABLE/DISABLE FUNCTION	PIN 1: HIGH(+1.62 VDC MIN) PIN3: ENABLED PIN1: LOW(+0.18 VDC MAX) PIN3: DISABLED(HIGH IMPEDANCE)	
START-UP TIME	10 ms MAX	

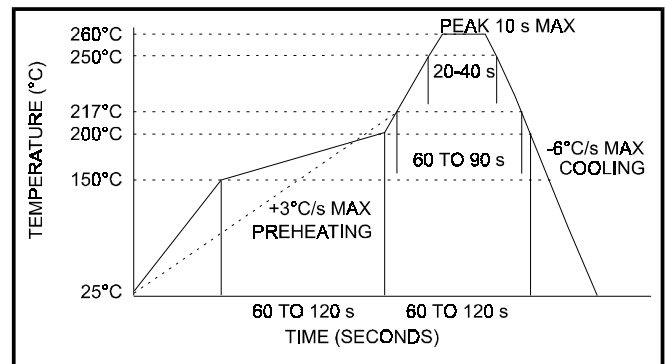


** INCLUSIVE OF 25°C TOLERANCE, OPERATING TEMPERATURE RANGE, VOLTAGE OR LOAD CHANGES, AGING, SHOCK AND VIBRATION
 * CONSULT RALTRON FOR SPECIFICATIONS

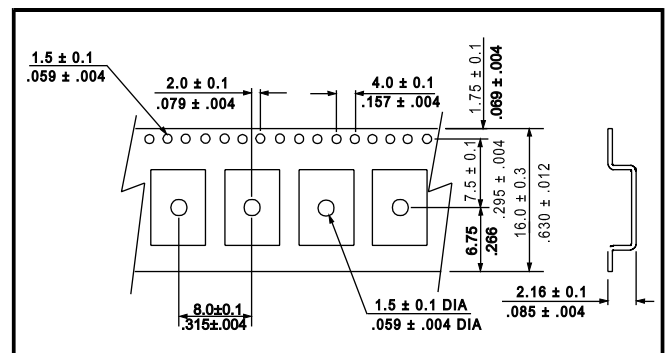
- **OUTLINE DRAWING**



- **REFLOW SOLDERING PROFILE**



- **CARRIER TAPE DIMENSIONS**



- **PACKAGING**

254 mm REEL DIAMETER, 16mm TAPE WIDTH, 8mm PITCH
 QUANTITY: 1000 PIECES PER REEL

- **PART NUMBERING SYSTEM**

SERIES	FREQUENCY STABILITY	FREQUENCY	EXTENDED TEMP.	OPTION	TAPE AND REEL
CO418	10	IN MHz	EXT	TIGHT SYMMETRY (45% TO 55%)	TR
	05				
	025				
	020				

EXAMPLE: CO41810-32.000-TR, CO418025-52.000-EXT-T-TR