SERIES CO418

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

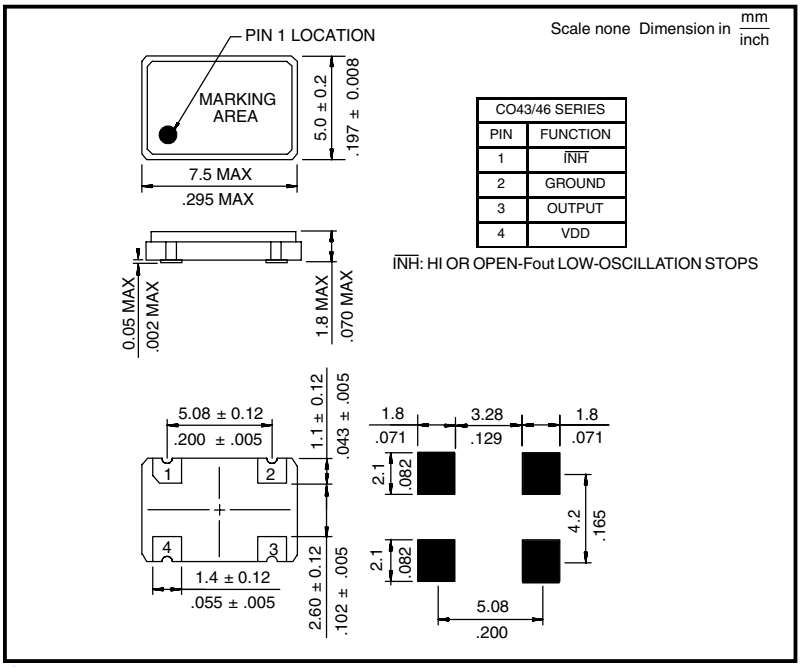


- **SPECIFICATIONS**

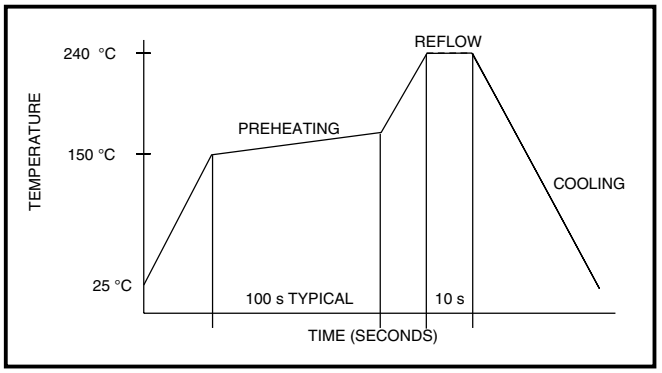
SERIES		CO418
FREQUENCY RANGE		1.544 MHz TO 70.00 MHz
FREQUENCY STABILITY		±100 PPM ±50 PPM
TEMPERATURE RANGE	OPERATING	-10°C TO +70°C
	EXTENDED	-40°C TO +85°C
	STORAGE	-55°C TO +125°C
INPUT	VOLTAGE	1.8 VDC ±5%
	CURRENT	1.544 MHz TO 25.000 MHz: 3 mA MAX 25.001 MHz TO 40.000 MHz: 4 mA MAX 40.001 MHz TO 7.000 MHz: 8 mA MAX
OUTPUT	LOAD	15 pF CMOS MAX, 30 pF & 50 pF CMOS availble
	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 (20%~80%, CMOS load) 35.001 MHz TO 70.000 MHz: 3 ns MAX (0.4V~2.4V, TTL load)
STANBY CURRENT		1.544 MHz TO 35.000 MHz: 100µA MAX 35.001 MHz TO 70.000 MHz: 10µA 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

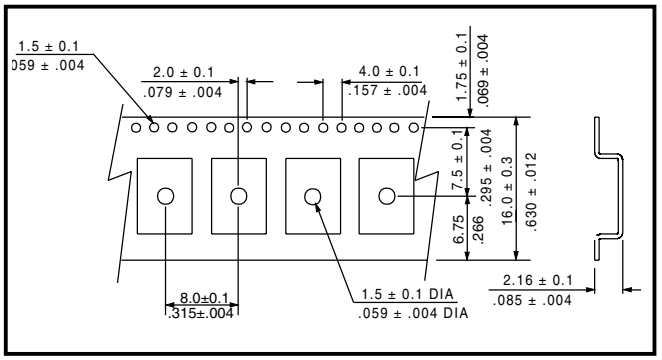
- **OUTLINE DRAWING**



- **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		OPTION			OUTPUT			TAPE AND REEL
CO418	-	10	±100 PPM	-	IN MHz	-	T	TIGHT SYMMETRY (45% TO 55%)	-	L30	30 pF	-	TR
		05	±50 PPM							L50	50 pF		
		025	±25 PPM										
		020	±20 PPM										

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

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