

#### ● FEATURES

- ULTRA SMALL PACKAGE
- EXCELLENT FOR HIGH DENSITY PACKAGING
- SUITABLE FOR WAVE SOLDERING

#### ● SPECIFICATIONS

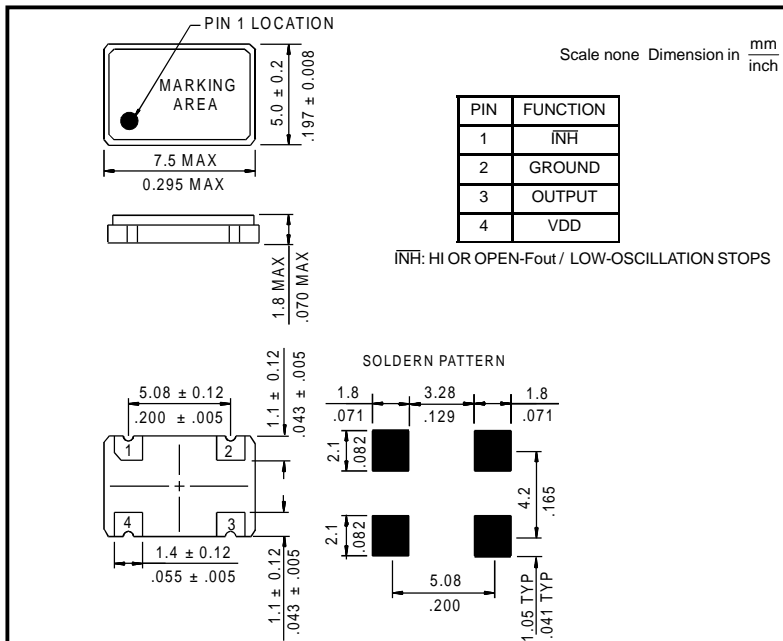
SERIES	CO47	CO48	CO49	
PARAMETER				
FREQUENCY RANGE	50.00 MHz TO 125.00 MHz	1.8432 MHz TO 50.00 MHz		
FREQUENCY STABILITY *	±20 PPM, ±50 PPM OR ±100 PPM			
TEMPERATURE RANGE	OPERATING	-10°C TO +70°C		
	EXTENDED	-40°C TO +85°C		
	STORAGE	-55°C TO +125°C		
INPUT	VOLTAGE	+5.0 VDC ±10%		
	CURRENT	50 mA MAX	25 mA MAX	45 mA MAX
OUTPUT	LOAD	50 TO 100 MHz: 10 TTL OR 25 pF 101 TO 125 MHz: 5 TTL OR 15 pF	10 LS TTL MAX OR 15 pF	10 TTL MAX OR 50 pF
	SYMMETRY	NORMAL: 40% TO 60% TIGHT: 45% TO 55%		
	LEVEL	LOGIC "0": 0.5 VDC MAX LOGIC "1": 4.0 VDC MIN	LOGIC "0": 0.5 VDC MAX LOGIC "1": 0.9 x V <sub>CC</sub> MIN	
	RISE/FALL TIME (20% to 80%)	1.00 MHz TO 10.00 MHz: 5 ns 10.10 MHz TO 30.00 MHz: 4 ns 30.10 MHz TO 50.00 MHz: 3 ns 50.10 MHz TO 80.00 MHz: 2.5 ns 80.10 MHz TO 125.00 MHz: 2 ns		
ENABLE / DISABLE FUNCTION	PIN 1: HIGH (+2.2 VDC MIN) PIN 3: ENABLED PIN 1: LOW (+0.8 VDC MAX) PIN 3: DISABLED (HIGH IMPEDANCE)			
START-UP TIME	10 ms MAX			
SHOCK	1000 g, 0.35 ms, % SINEWAVE, 3 SHOCKS IN 3 AXES			



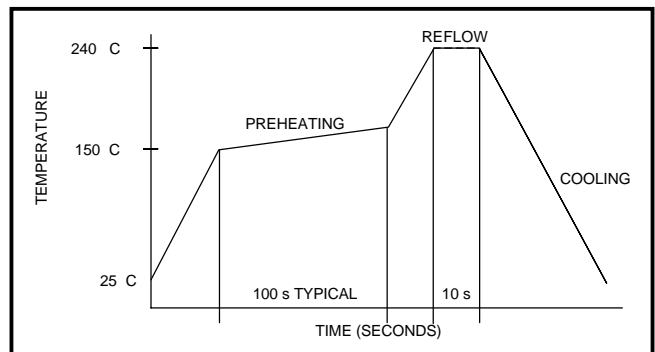
† INCLUSIVE OF 25 C TOLERANCE, OPERATING TEMPERATURE RANGE, VOLTAGE OR LOAD CHANGES, AGING, SHOCK AND VIBRATION

\* EXCLUDES AGING

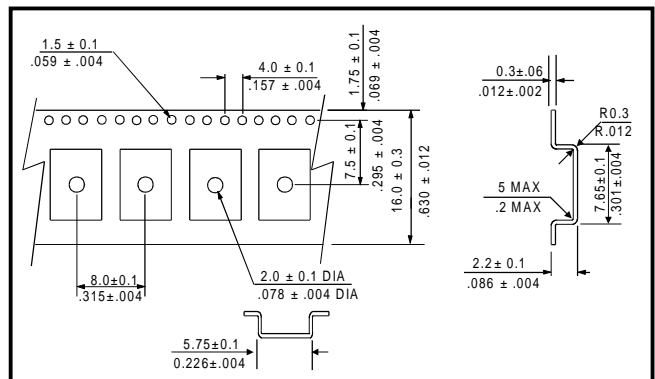
#### ● OUTLINE DRAWING



#### ● REFLOW SOLDERING PROFILE



#### ● CARRIER TAPE DIMENSIONS



#### ● PACKAGING

254 mm REEL DIAMETER, 16mm TAPE WIDTH, 8mm PITCH  
QUANTITY: 1000 or 3000 PIECES PER REEL

#### ● PART NUMBERING SYSTEM

SERIES	FREQUENCY STABILITY	FREQUENCY	EXTENDED TEMPERATURE	TIGHT SYMMETRY	TAPE AND REEL	
CO43 CO46	10 05 02	±100 PPM ±50 PPM ±20 PPM	IN MHz	EXT	T	TR

EXAMPLE: CO4305-32.000-TR, CO4610-50.00-T-TR