

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

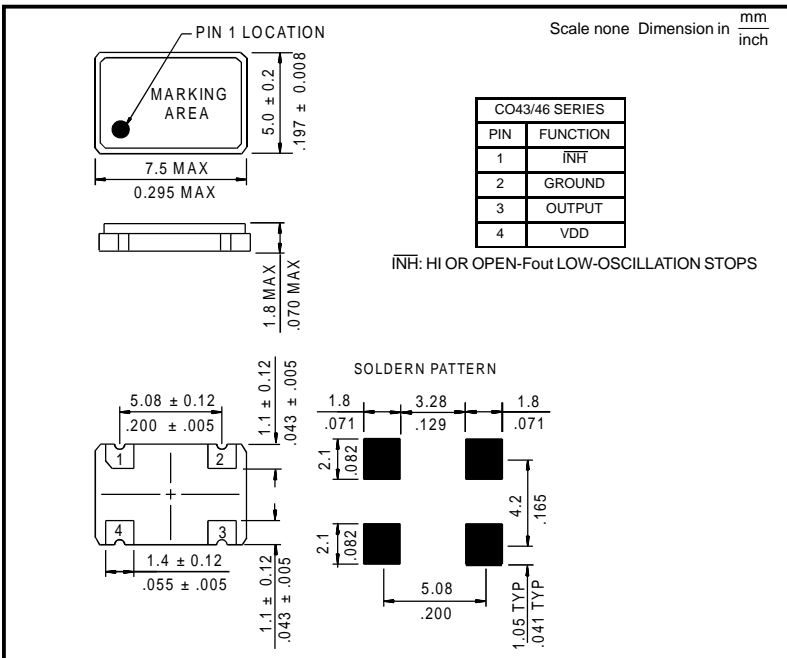
SERIES CO43 AND 46

SERIES		CO43	CO46
PARAMETER			
FREQUENCY RANGE		1.544 MHz TO 50.00 MHz	50.00 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	+3.3 VDC $\pm 10\%$	
	CURRENT	25 mA MAX	
OUTPUT	LOAD	5 TTL MAX OR 20 pF CMOS	5 TTL MAX OR 15 pF CMOS
	SYMMETRY	NORMAL: 40% TO 60% TIGHT: 45% TO 55%	
	LEVEL	LOGIC "0": 0.4 VDC MAX LOGIC "1": 2.8 VDC MIN	LOGIC "0": 0.5 VDC MAX LOGIC "1": 2.8 VDC 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	15 ms MAX

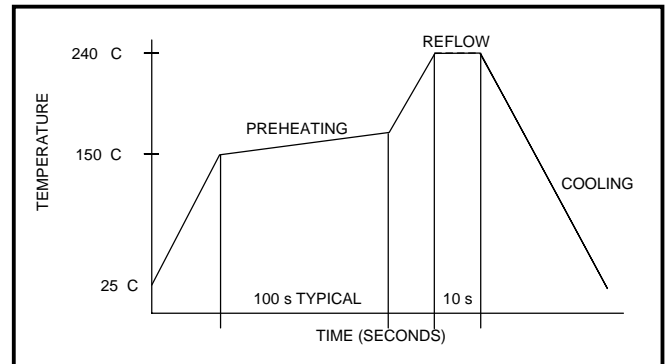


† INCLUSIVE OF 25°C TOLERANCE, OPERATING TEMPERATURE RANGE, VOLTAGE OR LOAD CHANGES, AGING, SHOCK AND VIBRATION
 * CONSULT RALTRON FOR SPECIFICATIONS

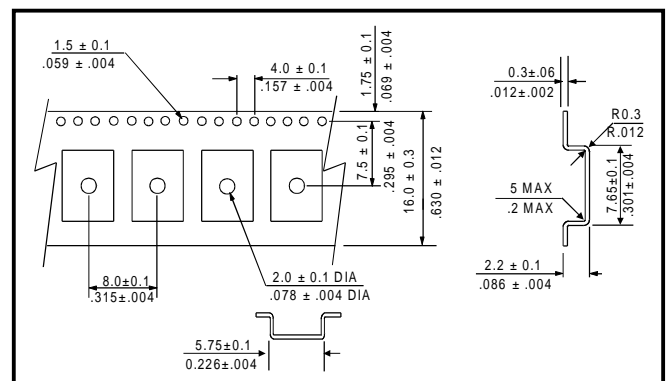
● OUTLINE DRAWING



● 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 TEMPERATURE	TIGHT SYMMETRY	TAPE AND REEL
CO43 CO46	10 ±100 PPM 05 ±50 PPM 025 ±25 PPM 02 ±20 PPM	IN MHz	EXT EXTENDED (-40 C TO +85 C)	T TIGHT SYMMETRY (45-55%)	TR

EXAMPLE: CO4305-32.000-TR, CO4610-50.000-T-TR

Raltron Electronics Corporation 10651 NW 19th St. Miami, Florida 33172 U.S.A.

Tel: 305-593-6033 Fax: 305-594-3973 e-mail: sales@raltron.com Internet: http://www.raltron.com