

FEATURES

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

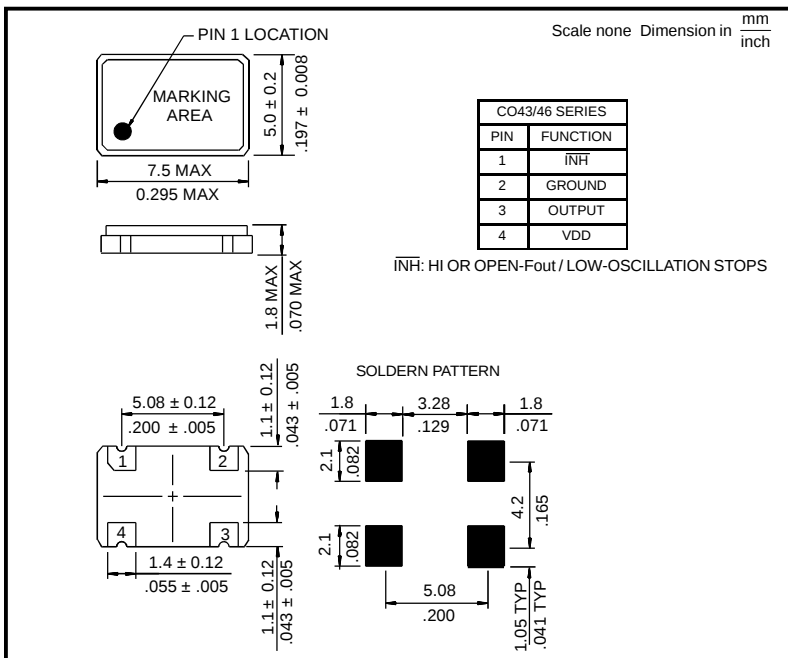
SPECIFICATIONS

SERIES		CO43		CO46	
PARAMETER					
FREQUENCY RANGE		1.544 MHz TO 50.000 MHz		50.000 MHz TO 156.250 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 ±10%			
	CURRENT, MAX	25 mA MAX		45 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 156.250 MHz: 2 ns			
JITTER		1.0 ps RMS (1σ), 12kHz < Fj < 20MHz			
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)			

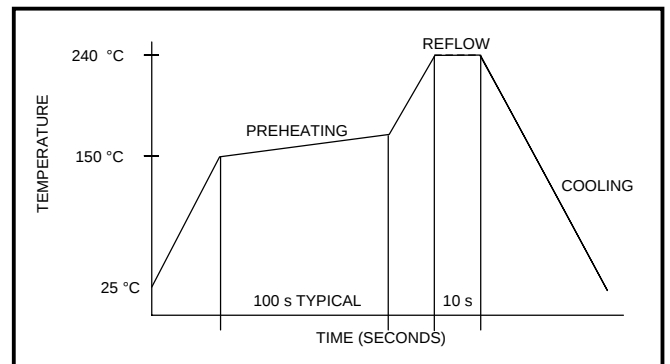
† INCLUSIVE OF 25°C TOLERANCE, OPERATING TEMPERATURE RANGE, VOLTAGE OR LOAD CHANGES, AGING, SHOCK AND VIBRATION
 * CONSULT RALTRON FOR SPECIFICATIONS



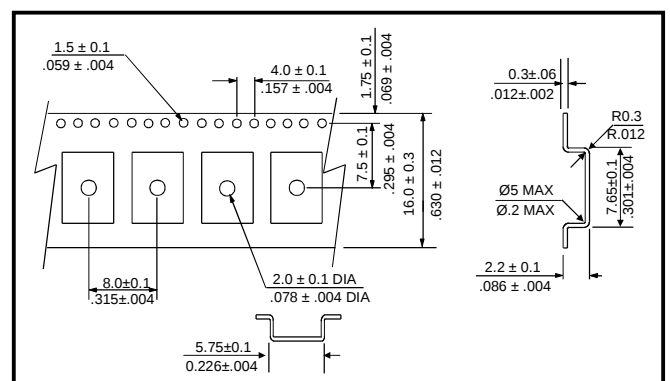
OUTLINE DRAWING



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 05 025 02	± 100 PPM ± 50 PPM ± 25 PPM ± 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

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