

FEATURES

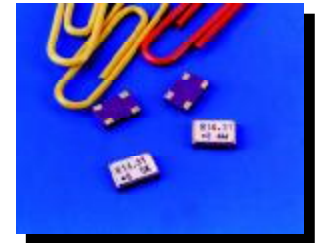
- ULTRA SMALL PACKAGE
- EXCELLENT FOR HIGH DENSITY PACKAGING
- SUITABLE FOR REFLOW SOLDERING

SPECIFICATIONS

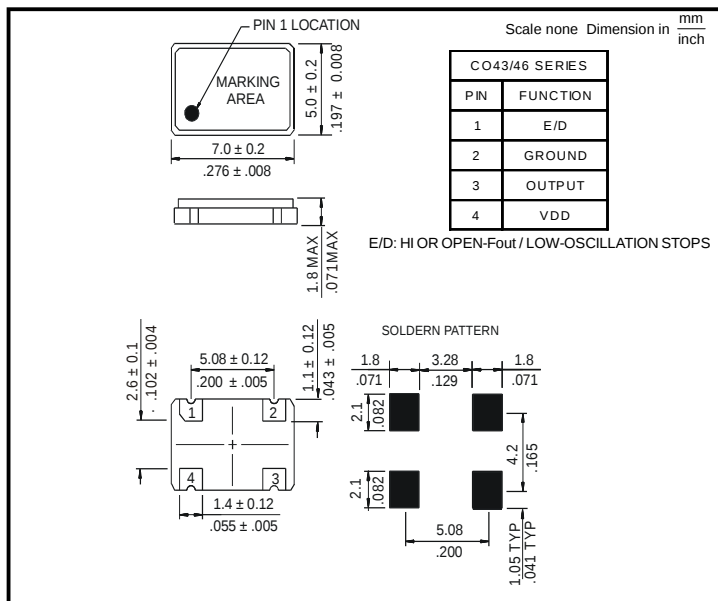
SERIES		CO43	CO46
PARAMETER			
FREQUENCY RANGE		1.000 MHz TO 50.000 MHz	50.000 MHz TO 156.250 MHz
FREQUENCY STABILITY †		± 100 PPM ± 50 PPM ± 25 PPM * ± 20 PPM *	
TEMPERATURE RANGE	OPERATING	-10°C TO +70°C	
	EXTENDED	-40°C TO +85°C	
	STORAGE	-55°C TO +125°C	
INPUT	VOLTAGE	+3.3 VDC $\pm 10\%$	
	CURRENT, 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

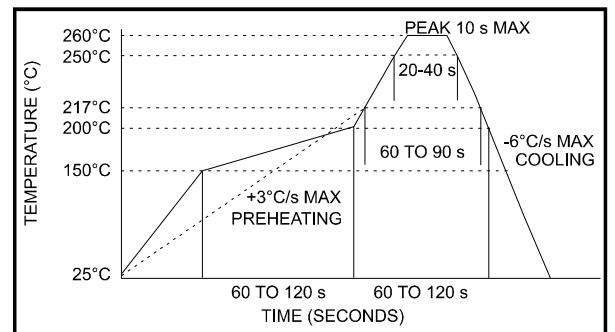
* STABILITY OVER TEMPERATURE ONLY AT -40°C TO +85°C



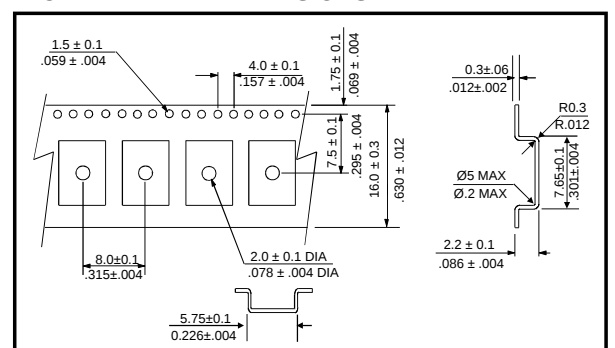
OUTLINE DRAWING



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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