

SERIES CO43S and CO46S

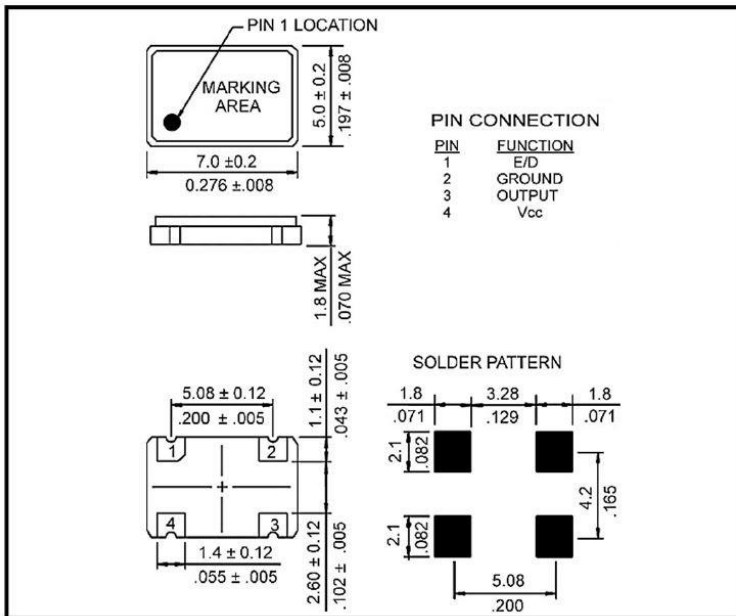
- FEATURES
- ULTRA SMALL PACKAGE
- EXCELLENT FOR HIGH DENSITY PACKAGING
- SUITABLE FOR REFLOW SOLDERING



SERIES		CO43S	CO46S
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	
TEMPERATURE RANGE STORAGE		-55°C TO +125°C	
INPUT	VOLTAGE	+3.3 VDC $\pm 10\%$	
	CURRENT, MAX	25 mA MAX	45 mA MAX
OUTPUT	STANDBY	10 μ A MAX	
	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 (1 σ), 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



● PACKAGING

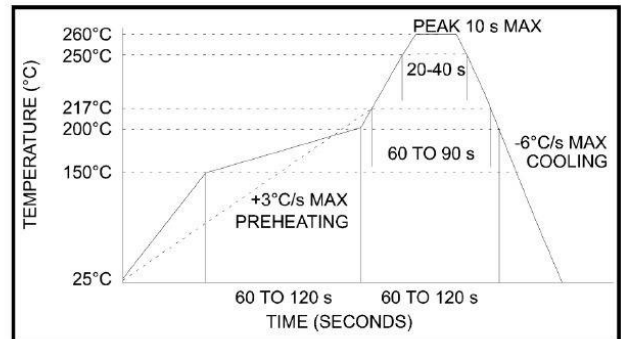
254 mm REEL DIAMETER, 16mm TAPE WIDTH, 8mm PITCH
 QUANTITY: 1000 PIECES PER REEL

● PART NUMBERING SYSTEM

Series	Frequency Stability	Standby Suffix	Frequency	Extended Temperature	Symmetry	Tape and Reel
CO43	025	S	In MHz	EXT	-40°C to +85°C	T Tight 45% to 55%
	02					
	05					
	10					

Example: CO4310S-32.000-T-TR

● REFLOW SOLDERING PROFILE



● CARRIER TAPE DIMENSIONS

