

Features

- Small profile of 5 x 7 x 1.8 mm
- Extremely low power consumption
- Standby function

Specifications

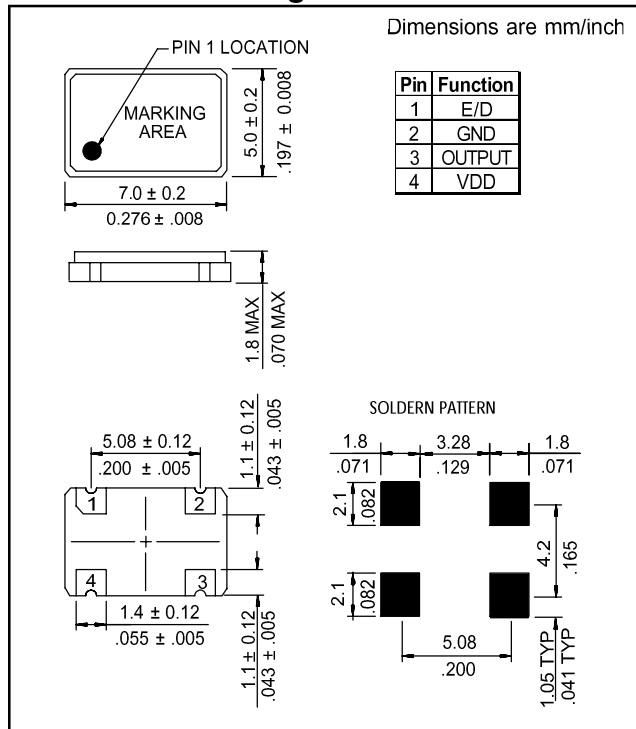
Parameter		CO43S		CO46S	
Frequency Range		1.00 to 33.00 MHz	33.01 to 50.00 MHz	50.01 to 70.00 MHz	70.01 to 156.250 MHz
Overall Frequency Stability (See table)		±25 PPM, ±32 PPM, ±50 PPM, ±100 PPM			
Temperature Range	Standard	-20°C to +70°C			
	Extended	-40°C to +85°C			
	Storage	-50°C to +125°C			
Input	Voltage	+3.3V			
	Current	12mA	25mA	35mA	60mA
	Symmetry	Normal: 40% to 60% and Tight 45% to 55%			
Output	Standby	10µA Maximum			
	Voltage	Logic "0" Level: 10% Vdd Maximum			
	Logic "1" Level	90% Vdd Minimum			
	Load	15pF to 50pF	15pF to 30pF	15pF	
Rise/Fall Time		4.0ns Maximum	3.0ns Maximum	2.5ns Maximum	2.0ns Maximum
Enable/Disable Function		"1" High or Open: Oscillation with +2.2V Minimum			
		"0" Low: No Oscillation (High Z) with +0.8V Minimum			
Start Up Time		10 ms Maximum			
Shock		100 g, 0.35 ms, 1/2 Sinewave with 3 shocks in 3 axes			

SERIES CO43S and CO46S

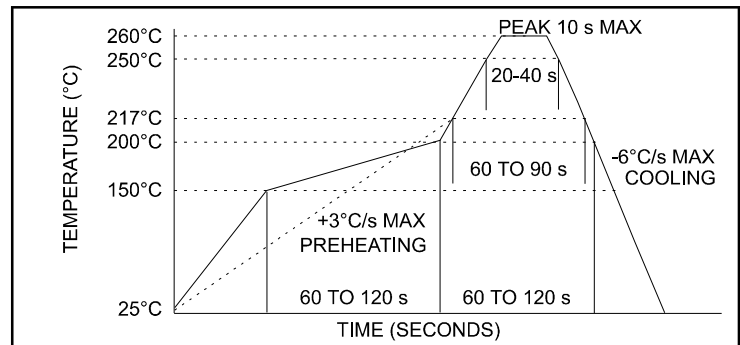


Overall stability options				
	Commercial Temp. Range	Industrial Temp. Range	Aging, in years	±10% Supply ±5% Load variation
±25 PPM	x		5	x
±32 PPM	x		10	x
±50 PPM	x	x	10 w/ commercial temp. 5 w/ industrial temp.	x
±100 PPM	x	x	10	x

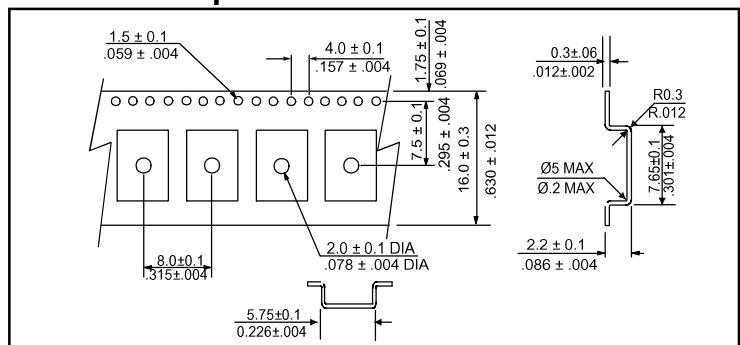
Outline Drawing



Reflow Solder Profile



Carrier Tape Dimensions



Part Numbering System

Series	Frequency Stability	Standby Suffix	Frequency	Extended Temperature	Symmetry	Output Load	Tape and Reel
CO43	025 ±25 PPM	S	In MHz	EXT -40°C to +85°C	T Tight 45% to 55%	L30 30 pF	TR
	032 ±32 PPM					L50 50 pF	
	05 ±50 PPM						
	10 ±100 PPM						

Example: CO4310S-32.000-T-TR