



#### ● Features

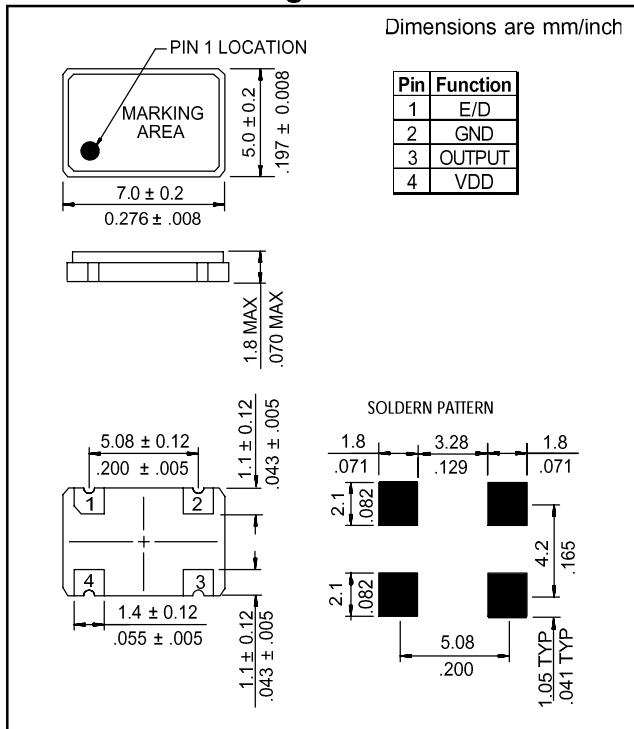
- Small profile of 5 x 7 x 1.8 mm
- Extremely low power consumption
- Standby function

#### ● Specifications

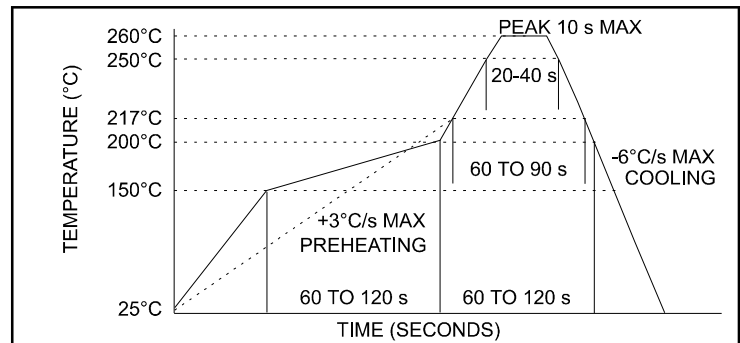
Parameter	CO43S		CO46S		
Frequency Range	1.00 to 33.00 MHz   33.01 to 50.00 MHz		50.01 to 70.00 MHz   70.01 to 156.250 MHz		
Overall Frequency Stability (See table)	±25 PPM, ±32 PPM, ±50 PPM, ±100 PPM				
Temperature Range	Standard		-20°C to +70°C		
	Extended		-40°C to +85°C		
	Storage		-50°C to +125°C		
Input	Voltage +3.3V				
	Current	12mA	25mA	35mA	60mA
Output	Symmetry Normal: 40% to 60% and Tight 45% to 55%				
	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				

	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

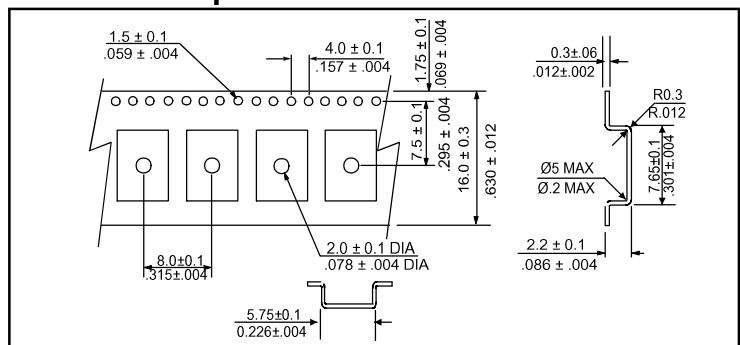
#### ● Outline Drawing



#### ● Reflow Solder Profile



#### ● Carrier Tape Dimensions



#### ● Part Numbering System

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

Example: CO4310S-32.000-T-TR