

History Record

Date	Part No.	SPEC No.	Description.	Remarks.
	ISO9001:2000 ISO14001:2004	Approved by	Check by	Design by
		May-15-2009	May-10-2009	Jan-16-2009
Reversions	Total Page			
CU-02SMD		<i>Xu gang dong</i>	<i>Liu jun</i>	<i>Wang hong</i>

SPECIFICATION

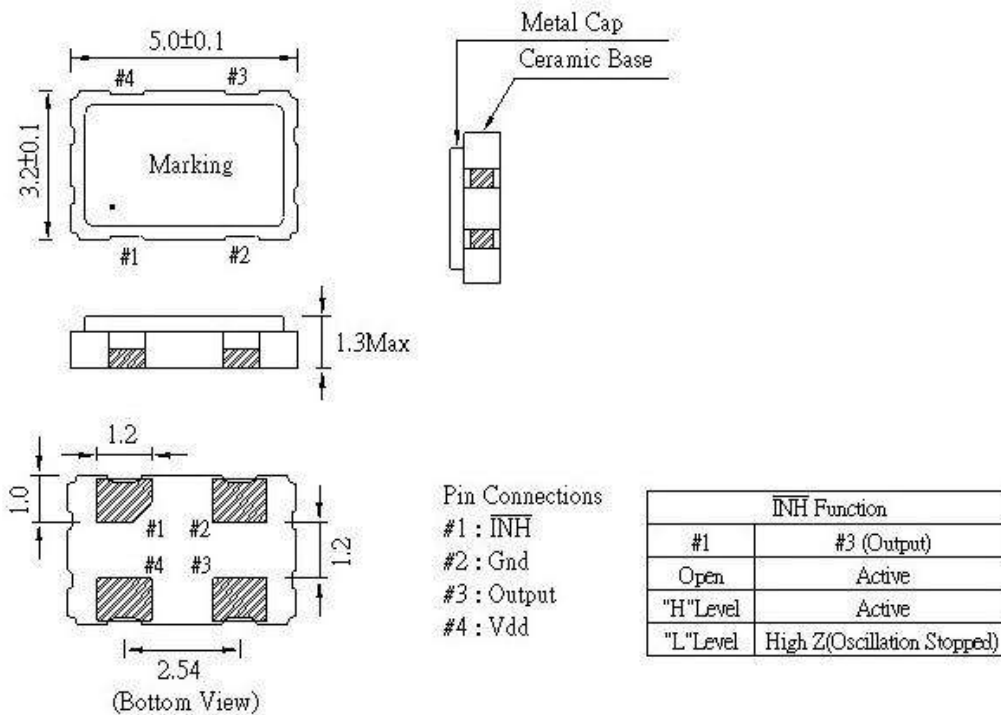
1. RANGE:

This specification shall cover the characteristics of crystal oscillator with Strong's P/N: SOC5032-10.000M-50-3.3V-F

2. ELECTRICAL SPECIFICATION

ITEM	SPECIFICATION
Package	S5032
Output Signal Waveform	CMOS
Frequency Range	10.000MHz
Current Consumption	30mA Max
Frequency Stability	± 50ppm Max
Load	15pF
Output Symmetry	45~55 (at 50%VDD)
Rise Time/Fall Time	10nS Max.
Temperature Range	Operating: -20~+70°C Storage: -45°C to 85°C
Supply Voltage	3.3V+-5%
Output Level	1V Max
Aging	± 3ppm/year Max

3. DIMENSION



4. MECHANICAL SPECIFICATION

1) Terminal Strength

* Lead pulling test

Conditions:	Load	907.2 gram
	Direction	To the downward
	Duration of applied force	5 seconds
Results:	There should be no distortion in appearance.	

* Lead bending test

Conditions:	Load	453.6 gram
	Bending angle	90° to normal position
	Rate of bending	3 seconds in each cycle
	Number of bending	3
Results:	There should be no distortion in appearance.	

2) Lead solder ability test

Conditions:	Dipping in solder(+260°C ± 5°C)for 3 seconds
Results:	More than 95% of surface being tested should be coated uniformly with solder.

3) Vibration test

Conditions:	Frequency	10 – 55Hz
	Amplitude	0.762mm
	Sweep	1.0 minute
	Duration	2 hours
Results:	Frequency and wave form of tested products must remain within specifications.	

4) Drop test

Conditions:	Method of drop	Natural drop
	Dropping floor	Hard wood board
	Height	30cm
	Number of drops	3 times
Results:	Frequency and wave form of tested products must remain within specifications.	

