

Crystal OSCILLATOR

7.0 X5.0MM Surface Mount Package



Approved by:

Checked by:

Issued by:

SPECIFICATION

P/N: 6N2500000C01MBL

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FEATURE

- Broad frequency ranges from 1.00MHz to 150MHz
- Compact and thin ceramic package with metalized surface mounting and automatically loaded
- Reflow solder is possible
- Lower noise and current with reduced power consumption
- Built-in C-MOS IC with tri-state function
- 5V and 3.3V supply model available

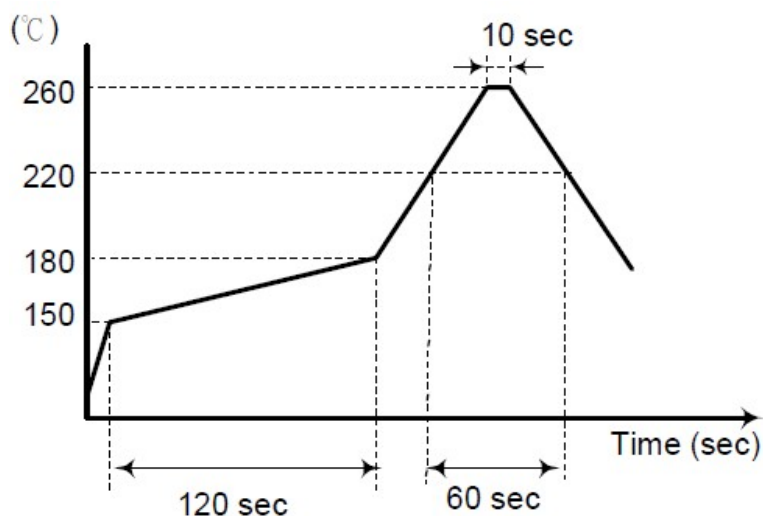
ELECTRICAL SPECIFICATIONS

Parameters	Condition	6N	
Fan Out Type		HCMOS	
Supply Voltage		3.3V±10%	
Frequency		25.000MHz	
Operating Temperature		-40°C-85°C	
Input Current	Frequency Range	10mA max	
Frequency Stability	All Conditions	±50ppm	
Symmetry	AT 1/2 Vdd	45/55%	
Output Voltage	Vol(max)	10%Vdd	
	VoH(min)	90%Vdd	
Rise/Fall Time	AT 0.1Vdd~0.9Vdd	10ns Max	
Driving Ability	CMOS load max	15pF	
Start-up Time	Load RANGE	10ms max	
E/D Function	#1 OPEN	PIN #3 ACTIVE	
	#1 >=70%Vdd	PIN #3 ACTIVE	
	#1 <=30%Vdd	PIN #3 HighZ	
PAD Connection		PIN#1 E/D	PIN#3 OUT
		PIN#2 GND	PIN#4 Vdd

Reflow Soldering Profile

Total Time: 200 sec. Max.

Solder Melting Point :220 °C



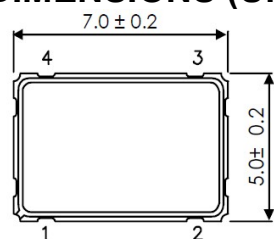
The design, manufacturing process, and specifications of this device are subject to change without notice.

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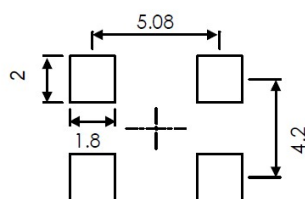
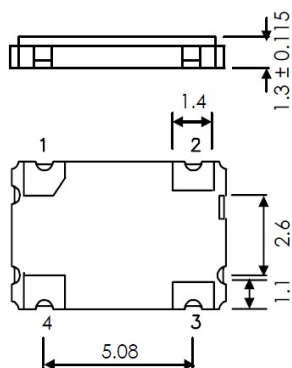
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DIMENSIONS (UNIT: mm)

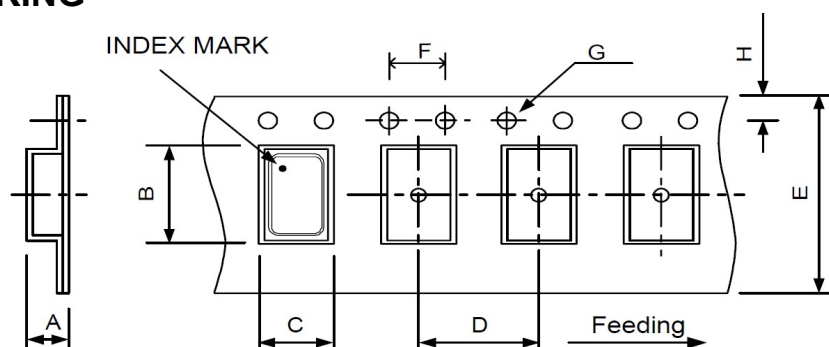


Pad Function:
1:ENABLE CONTROL
2:GND
3:OUT
4:VDD

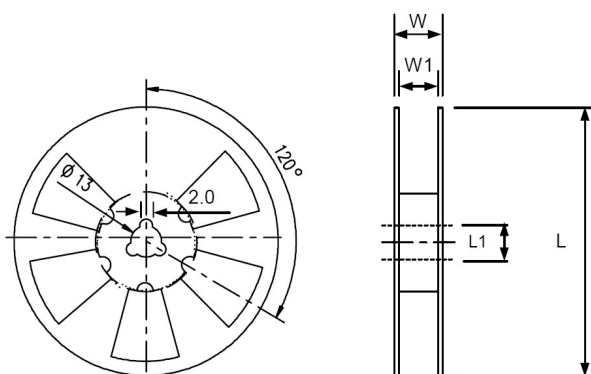


Suggested Layout

PACKING



DIMENSIONS	A	B	C	D	E	F	G	H	I
	2.00	7.90	5.45	8.00	16.00	4.00	1.50	1.75	(UNIT : mm)



DIMENSIONS	L	L1	W	W1	pcs / Reel (UNIT : mm)
	180	13	20.5	16	Standard Reel Quantity is 1,000 pcs per reel