

Crystal OSCILLATOR

3.2 X2.5MM Surface Mount Package



Approved by:

Checked by:

Issued by:

SPECIFICATION

P/N: 3N2457600C01MBL

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FEATURE

- 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

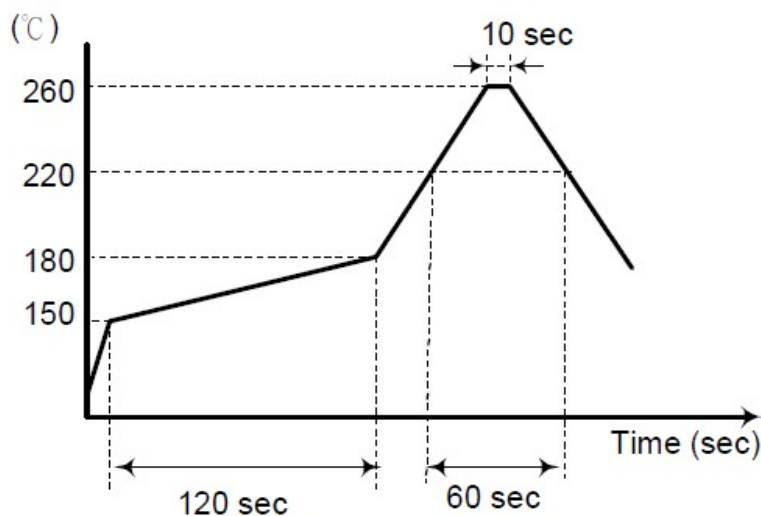
ELECTRICAL SPECIFICATIONS

Parameters		Condition\Model	
Fan Out Type			HCMOS
Supply Voltage			3.3V±10%
Frequency			24.576MHz
Operating Temperature			-40℃ ~ +85℃
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		10ns 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 ℃



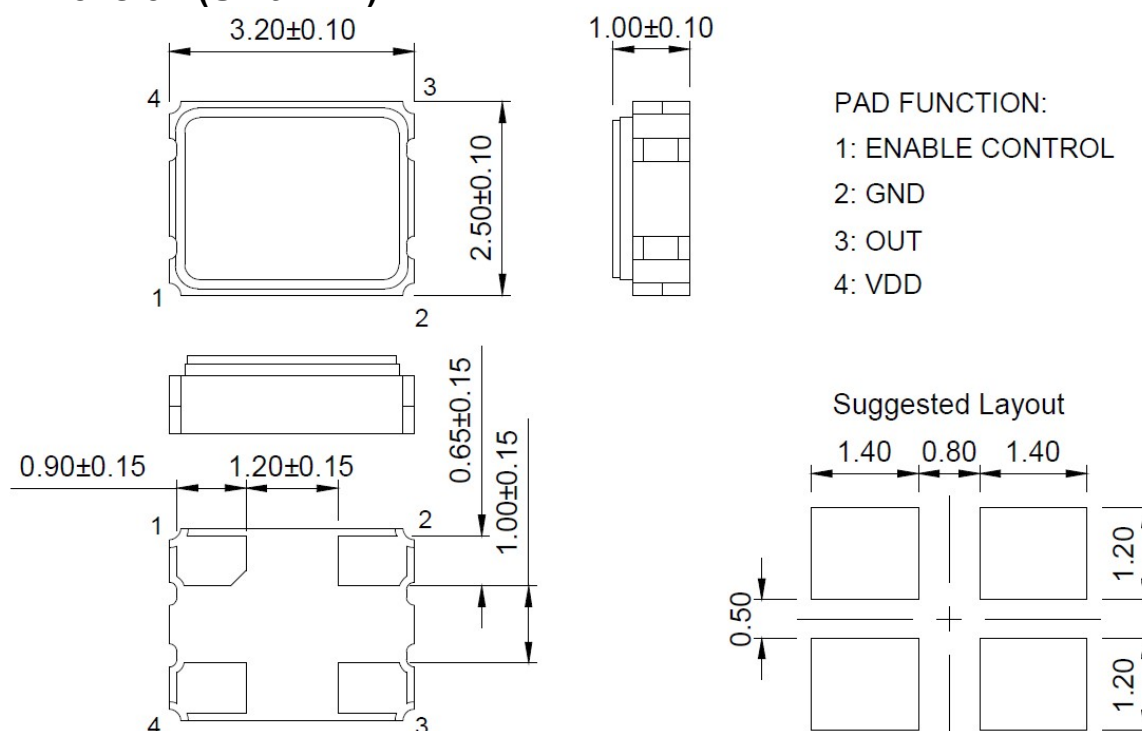
The design, manufacturing process, and specifications of this device are subject to change without notice.

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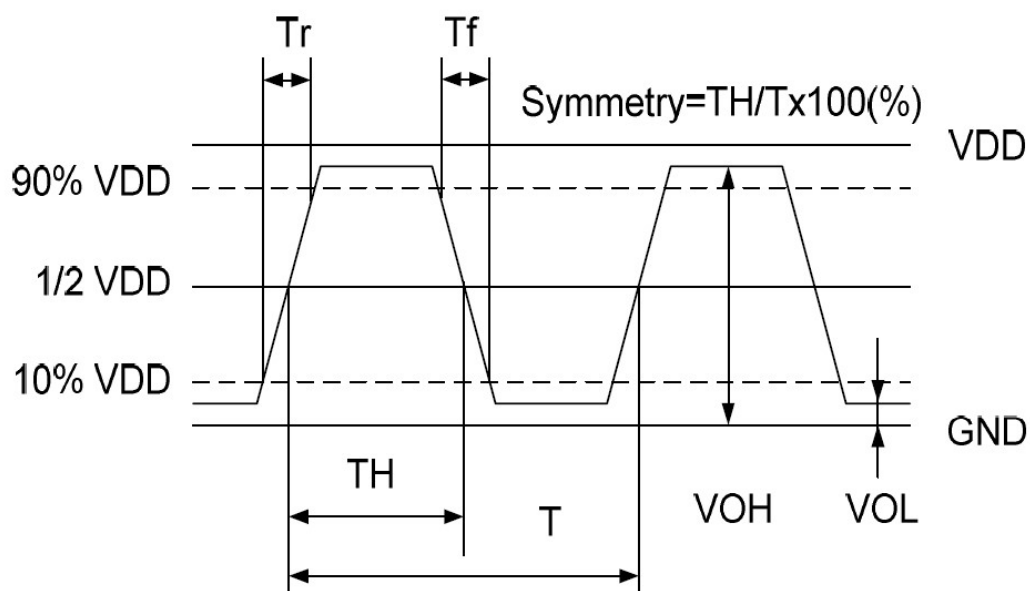
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Dimension (Unit: mm)



Waveform Conditions



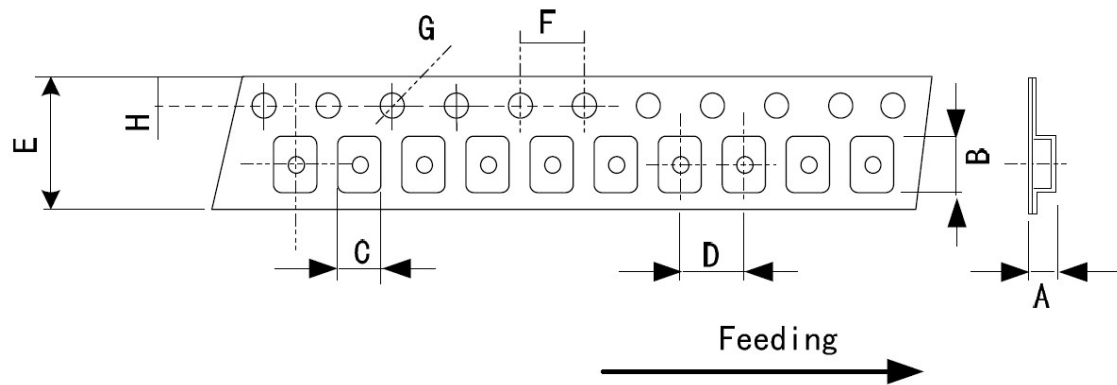
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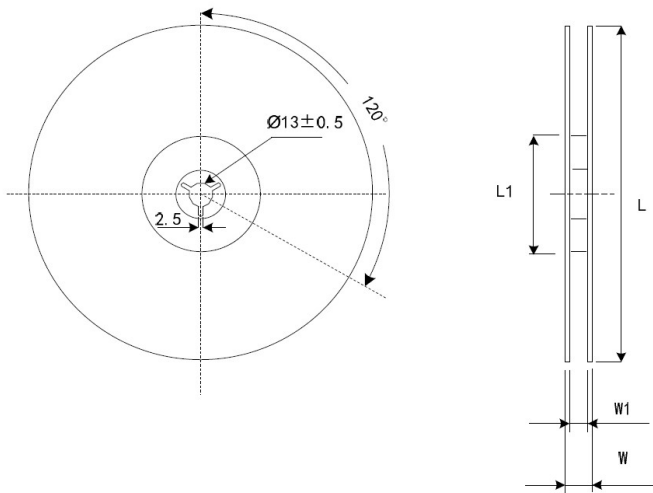
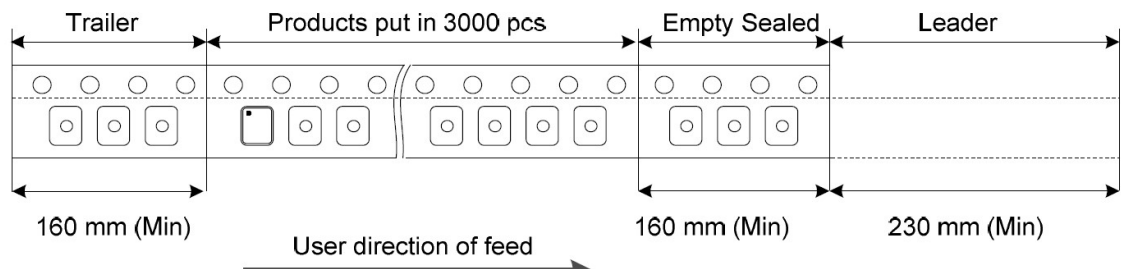


Tape Dimension



DIMENSIONS	A	B	C	D	E	F	G	H	
	1.65	3.40	2.70	4.00	8.00	4.00	1.55	1.75	(UNIT:mm)
	±0.10	±0.10	±0.10	±0.10	±0.20	±0.10	±0.05	±0.10	

REMARK :



DIMENSIONS	L	L1	W	W1	
	178	60.2	11.5	8	Standard Reel Quantity is 3,000 pcs per reel
	±1.00	±0.50	±0.2	+1/-0	(UNIT:mm)