Crystal Bridge to the Future

RoHS Compliant
Directive 2011/65/EU

SPECIFICATION
AEC-Q200

Customer:

Item: Crystal Unit

Type: NX3225SA

Nominal Frequency: 16.000 MHz

Customer's Spec. No.:

NDK Spec. No.: NX3225SA-16MHz S1-40125-5015-8

Receipt

Revision Record

Rev.	Date	Items	Contents	Approved	Checked	Drawn

NIHON DEMPA KOGYO CO., LTD.

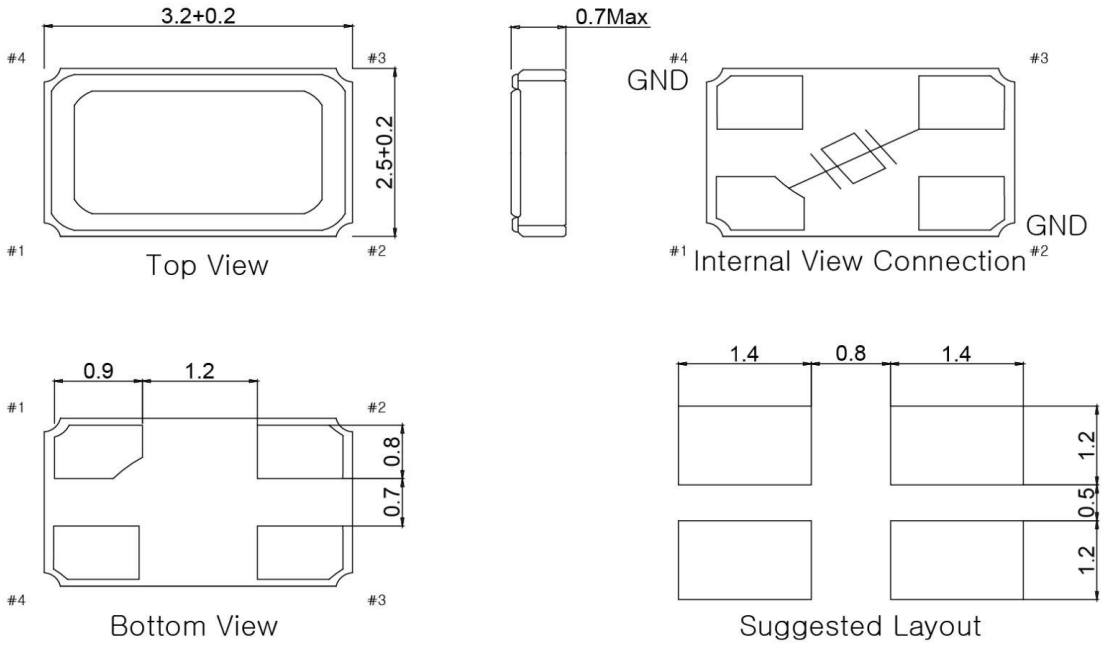
1. Customer's Spec. No. :

2. NDK Spec. No. : NX3225SA-16M S1-40125-5015-8

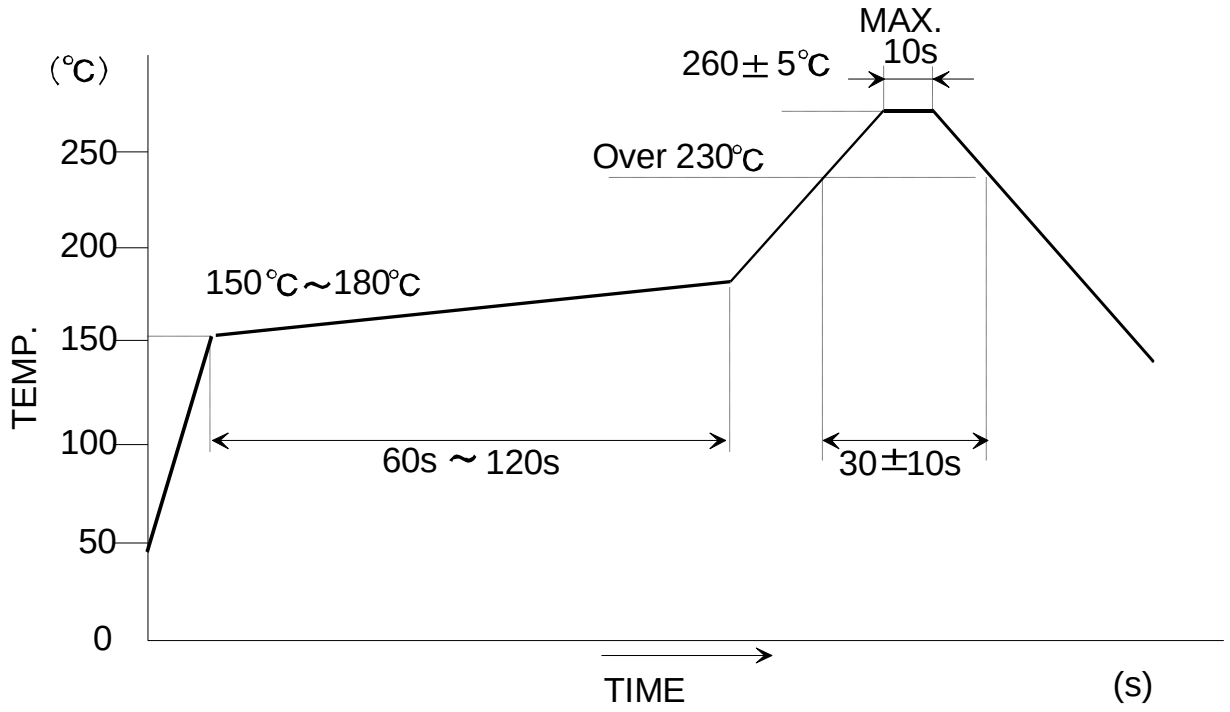
3. Type : NX3225SA

4. Electrical Specifications

	Parameters	SYM.	Electrical Spec.				Notes
			min	typ	max	Units	
1	Nominal frequency	f_{nom}		16.000		MHz	
2	Overtone order	-		Fundamental		-	
3	Frequency tolerance	-	-15	-	+15	$\times 10^{-6}$	at + 25°C
4	Frequency versus temperature characteristics	-	-50	-	+50	$\times 10^{-6}$	at -40~+125°C The reference temperature shall be +25°C
5	Frequency Aging(at +25°C)	-	-2	-	+2	$\times 10^{-6}$	years
6	Equivalent resistance	-	-	-	80	Ω	IEC PI-network/Series
7	Load capacitance	C_L	-	8	-	pF	IEC PI-newwork
8	Level of drive	-	-	100	200	μW	
9	Shunt Capacitance	Co	-		3.0	pF	
10	Motional Capacitance	C1			N/A	fF	
11	Operating temperature range	T_{opr}	-40	-	+125	°C	
12	Storage temperature range	T_{str}	-40	-	+125	°C	
13	Insulation resistance	-	500	-	-	MΩ	When terminal to terminal and terminal to cover were applied at DC100V ±15V.



Recommendation reflow condition



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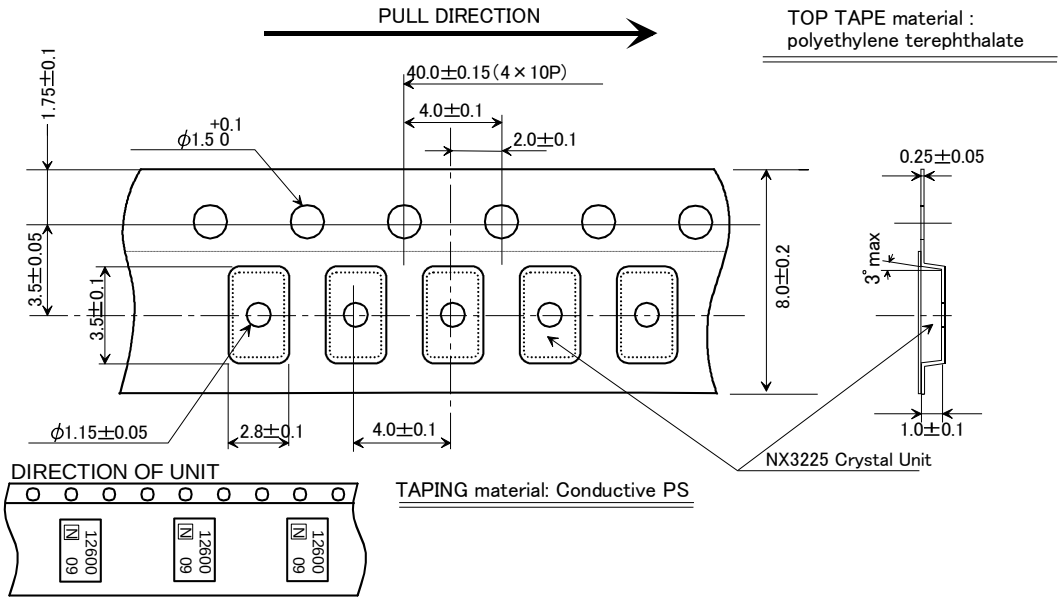
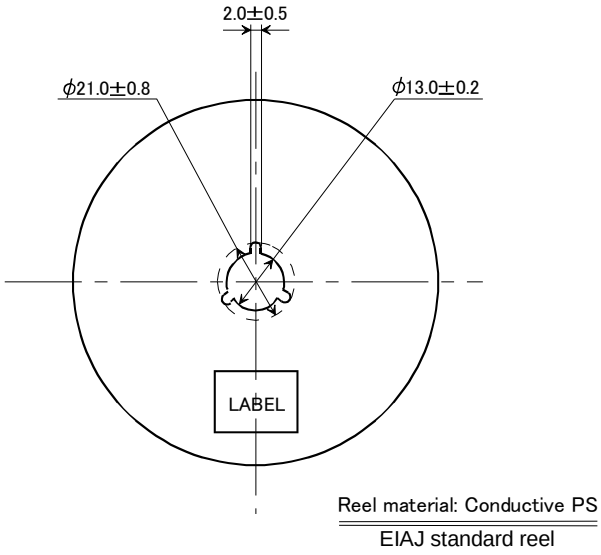
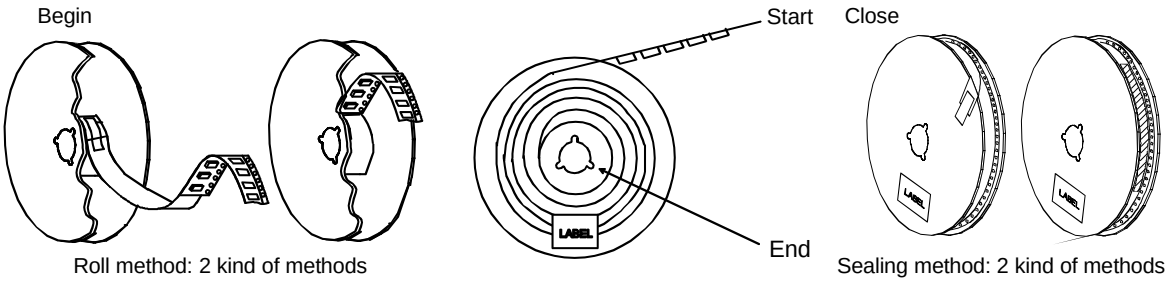

PULL DIRECTION
TOP TAPE material :
polyethylene terephthalate
40.0±0.15(4×10P)
4.0±0.1
2.0±0.1
1.75±0.1
3.5±0.05
3.5±0.1
8.0±0.2
0.25±0.05
3° max
1.0±0.1
2.8±0.1
4.0±0.1
NX3225 Crystal Unit
DIRECTION OF UNIT
TAPING material: Conductive PS


2.0±0.5
LABEL
Reel material: Conductive PS
EIAJ standard reel


Begin
Start
End
Close
Roll method: 2 kind of methods
Sealing method: 2 kind of methods
3000pcs-Product Tape