



**ABM8-272-T3**  
**Ultra Miniature Ceramic**  
**SMD Crystal**



**RoHS**  
Compliant

Date of Issue: Nov 16<sup>th</sup>, 2023

**3.2 x 2.5 x 0.8mm**

Application

Safety  Non-safety

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**Abracon Drawing # 456603**

Revision #: IR

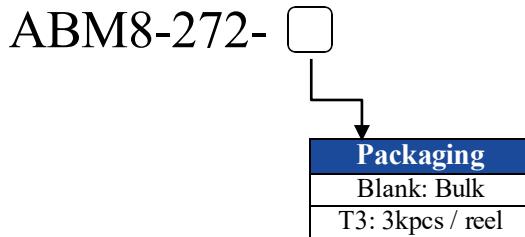
## 1.0 Key Electrical Specifications

Parameters	Minimum	Typical	Maximum	Units	Notes
Center Frequency		12.000		MHz	
Operation Mode		Fundamental-AT			
Operating Temperature	-40		+85	°C	
Storage Temperature	-55		+125	°C	
Frequency Tolerance at +25 °C	-30		+30	ppm	
Frequency Stability over the Operating Temperature ( ref. to +25°C)	-30		+30	ppm	
Equivalent series resistance (R1)			50	Ω	
Shunt Capacitance (C0)			3.0	pF	
Load capacitance (CL)		10		pF	
Drive Level		10	200	μW	
Aging	-5		+5	ppm	@25±3°C, 1st year
Insulation Resistance	500			MΩ	@100Vdc±15V

## 2.0 ABM8-272-T3 is RoHS/RoHS II Compliant and Pb free

## 3.0 Moisture Sensitivity Level (MSL) – This product is Hermetically Sealed and not Moisture Sensitive - MSL = 1

## 4.0 Part Identification and ordering information





**ABRACON®**  
The Power of Linking Together

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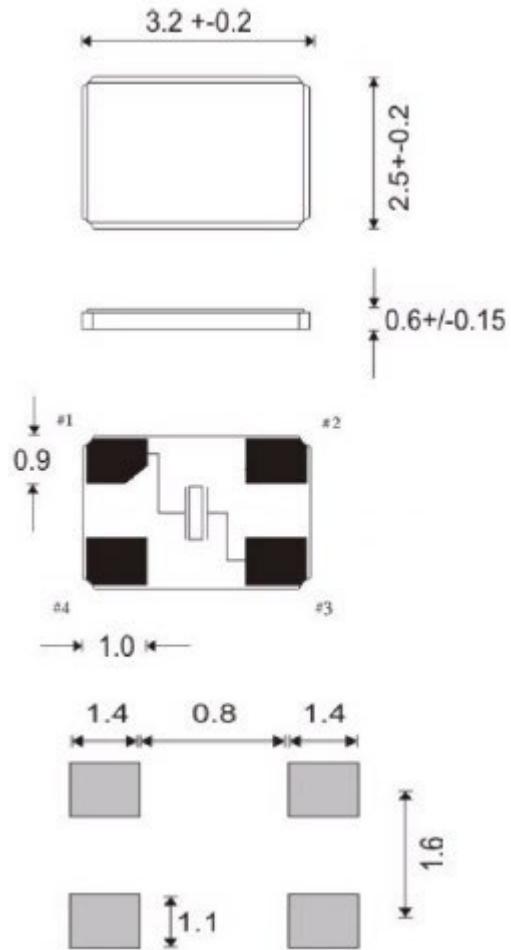
Non-safety

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## 5.0 Mechanical Dimensions



Note: Due to material availability, the chamfer could be located on pin #1, 3, or 4. Be advised that the chamfer location has no impact on the electrical performance of the device.

**Dimensions: mm**



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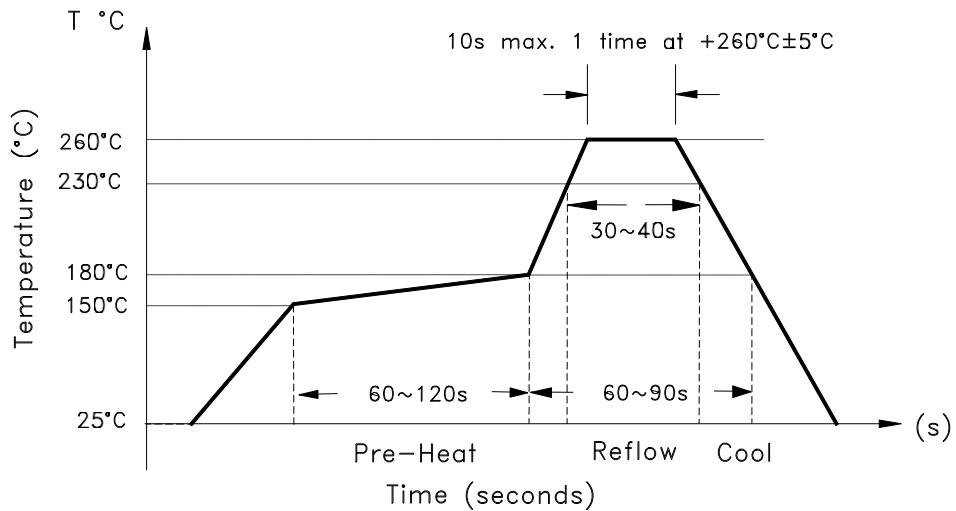
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## 6.0 Reflow Profile





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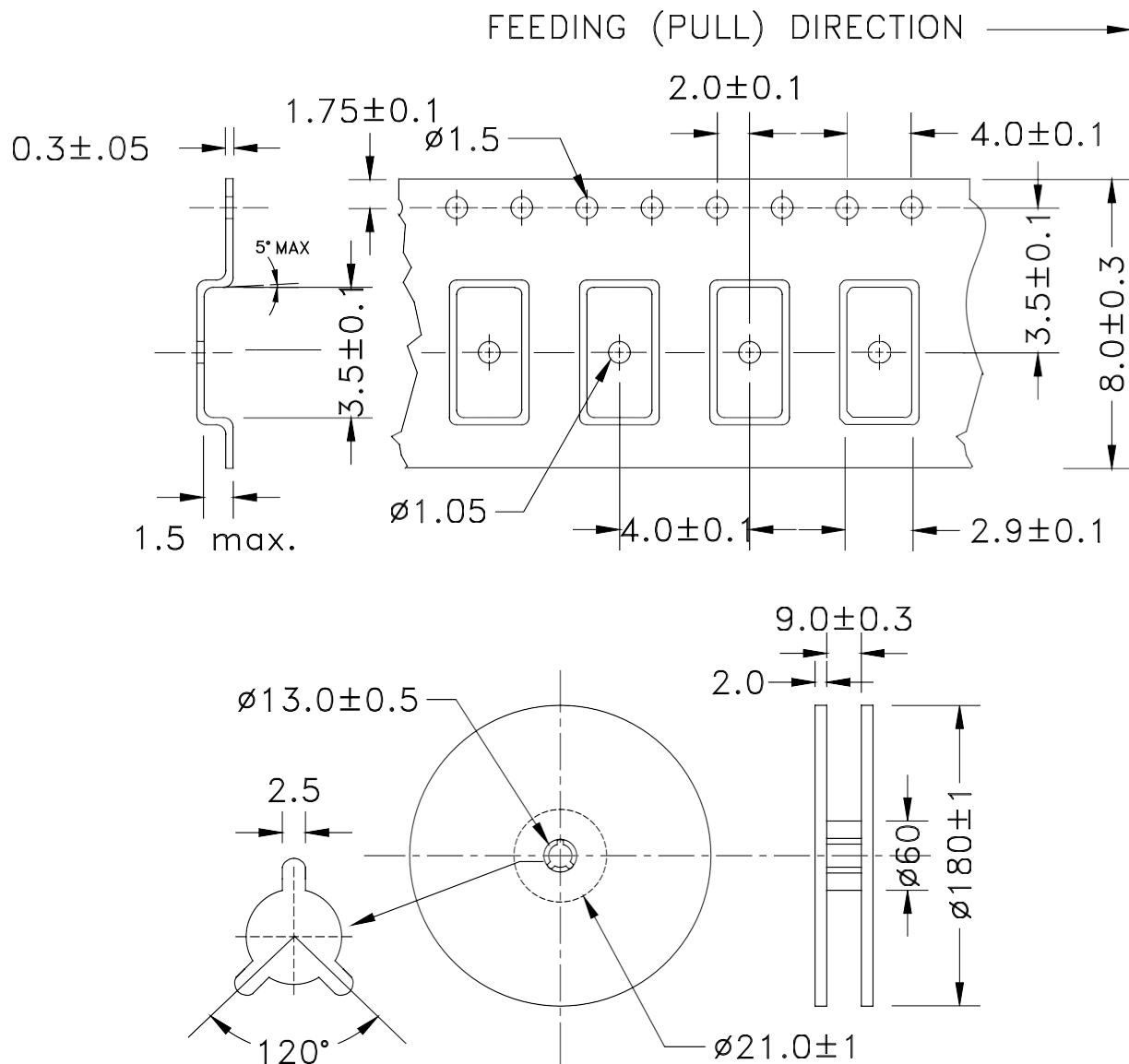
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## 7.0 Packaging:

T3:Tape and Reel (3,000pcs/reel)



**Dimensions: mm**