EN: This Datasheet/Document is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.

ABRACON LLC The Power of Linking Together	ABM8-272-T3 Ultra Miniature Ceramic SMD Crystal	Pb RoHS Compliant
Date of Issue: Nov 16th, 2023	3.2 x 2.5 x 0.8mm	Application ☐ Safety ☑ Non-safety
Page (1) of (4)	**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	ºC	
Storage Temperature	-55		+125	ºC	
Frequency Tolerance at +25 ºC	-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

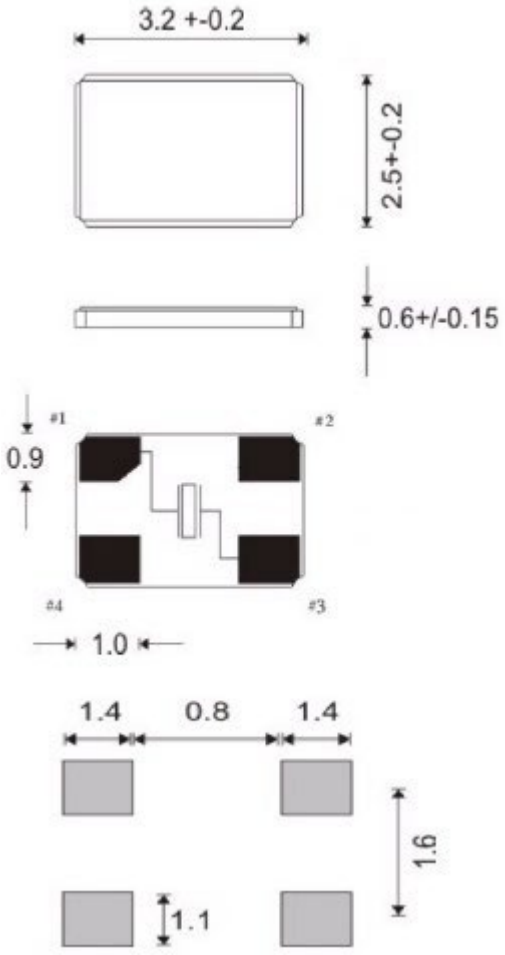
3.0 Moisture Sensitivity Level (MSL) – This product is Hermetically Sealed and not Moisture Sensitive - MSL = 1

4.0 Part Identification and ordering information

ABM8-272- ☐

Packaging
Blank: Bulk
T3: 3kpcs / reel

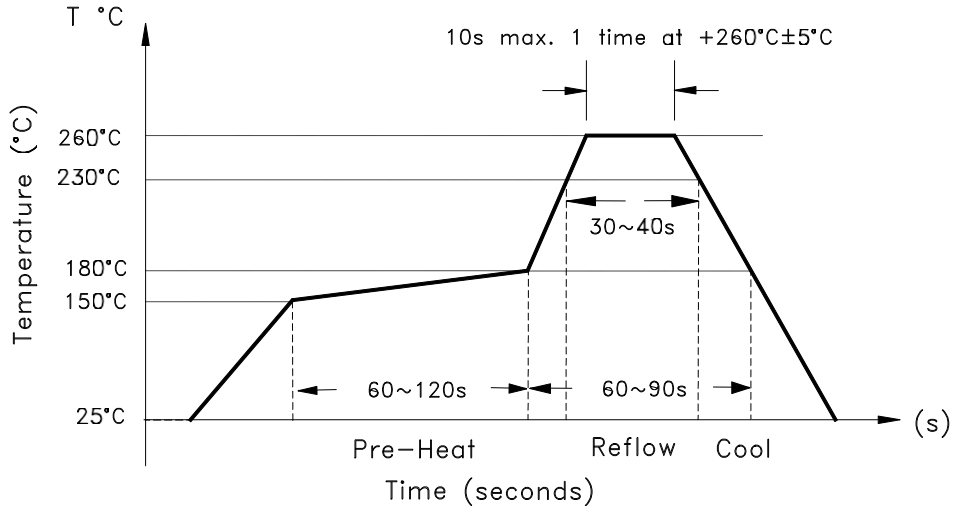
5.0 Mechanical Dimensions



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.

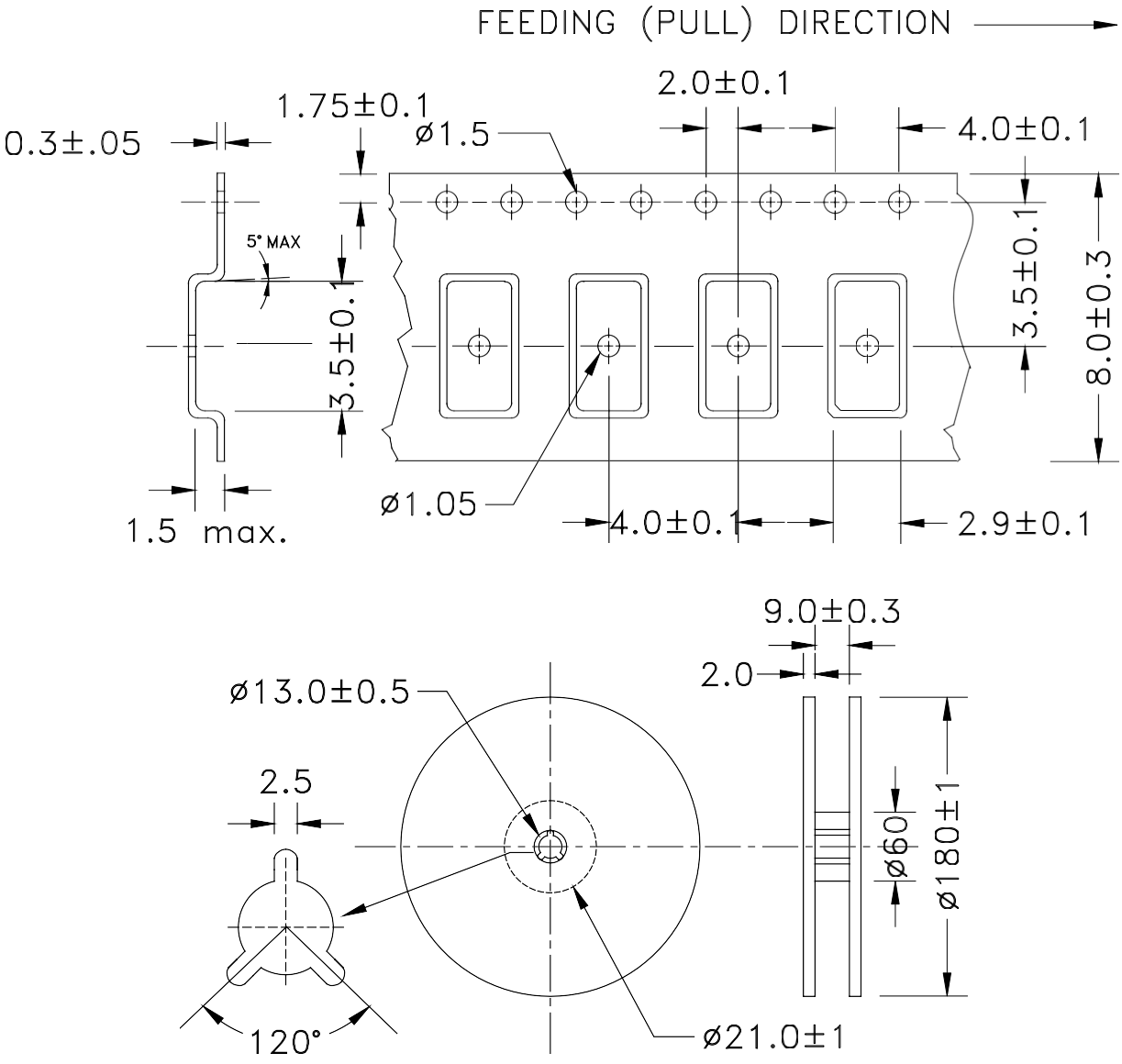
Dimensions: mm

6.0 Reflow Profile



7.0 Packaging:

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



Dimensions: mm