Features

- 3.2 x 2.5 x 0.8 mm miniature package
- Suitable for RoHS compliant reflow
- Wide Operating Temperature (-40ºC to +85ºC)

Applications

- Crystal approved for use with Raspberry Pi 's RP2040 and RP235x range of microcontroller products

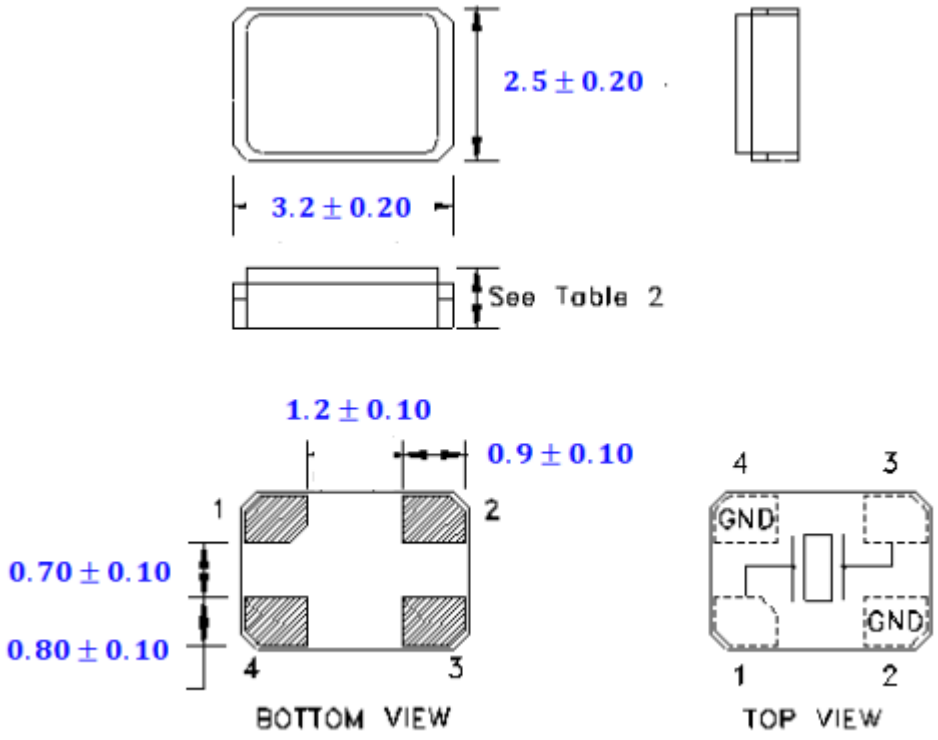
Key Electrical Specifications

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

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

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

Mechanical Dimensions

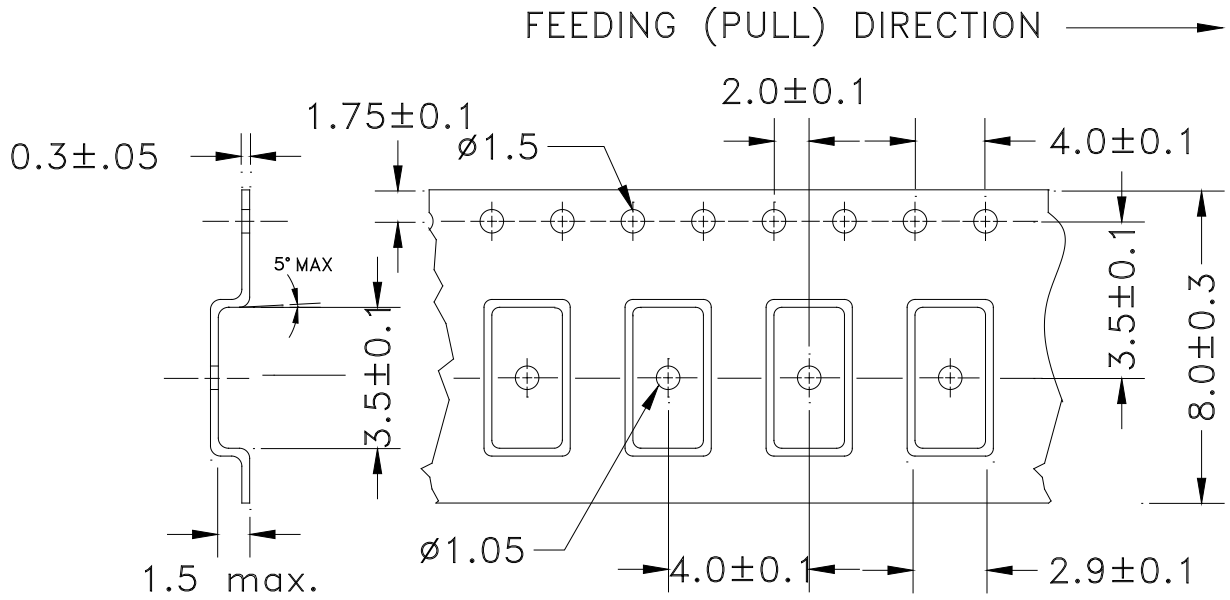


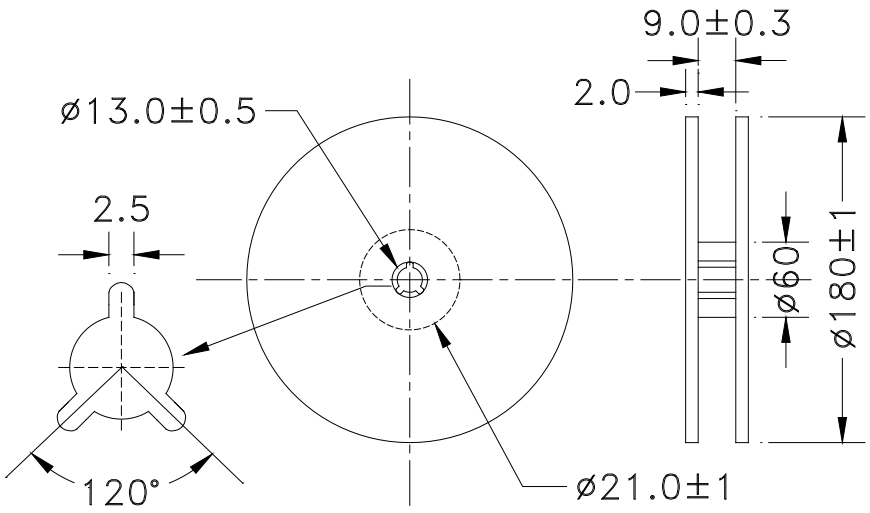
Note: Due to material availability, the chamfer could be located on pin #1, 3, or 4. Be advised that the chamfer location has no impact on the electrical performance of the device.

Dimensions: mm

Packaging:

Tape and Reel (3,000pcs/reel)





Dimensions: mm