ULTRA MINIATURE CERAMIC PACKAGE HIGH STABILITY SMD CRYSTAL

ABM3X

RoHS/RoHS II compliant



5.0 x 3.2 x 0.9mm

FEATURES:

- -40ºC to +125ºC wide operating temperature range
- ±40 ppm Max. All Inclusive frequency stability over 10-year product life
- Fundamental Mode, low ESR Quartz design
- Ultra miniature, Seam-Sealed, RoHS compliant reflow-able package

APPLICATIONS:

- Zigbee based designs for indoor / outdoor applications
- Wireless Sensor Networks
- Industrial Control
- Home and Building Automation
- Consumer Electronics
- PC Peripherals

STANDARD SPECIFICATIONS

Parameters	Minimum	Typical	Maximum	Units	Notes
Center Frequency		24.000 32.000		MHz	
Operation Mode		Fundamental			
Operating Temperature	-40		+125	ºC	
Storage Temperature	-55		+155	ºC	
Overall Frequency Stability (All inclusive)	-40		+40	ppm	
Frequency Tolerance	-10		+10	ppm	
Frequency Stability over the Operating Temperature Range (ref. to +25ºC)	-25		+25	ppm	
Aging	-5		+5	ppm	@25±3ºC 10 years
Equivalent series resistance (R1)			30	Ω	
Shunt capacitance (C0)			3.5	pF	
Motional capacitance (C1)		4.5		fF	
Load capacitance (CL)		10		pF	
Drive Level		50	100	µW	
Insulation Resistance	500			MΩ	@100Vdc±15V

OPTIONS AND PART IDENTIFICATION:

ABM3X - [ ] - [ ] - MHz - [ ]

Internal Code	Frequency
101	24.000 MHz
102	32.000 MHz

Packaging
Blank: Bulk
T: 1kpcs / reel

Example Part #: **ABM3X-101-24.000MHz-T**

30332 Esperanza, Rancho Santa Margarita, California 92688
tel 949-546-8000 | fax 949-546-8001 | www.abracon.com

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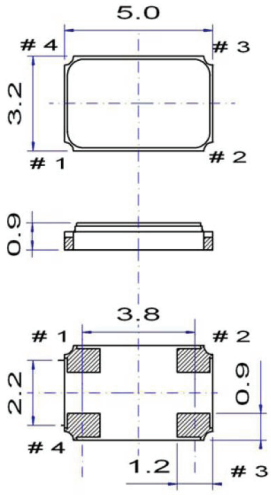
ABM3X



RoHS/RoHS II compliant

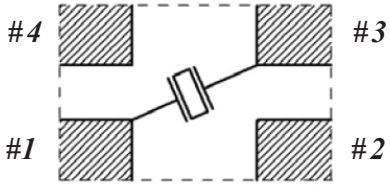
5.0 x 3.2 x 0.9mm

OUTLINE DIMENSIONS:

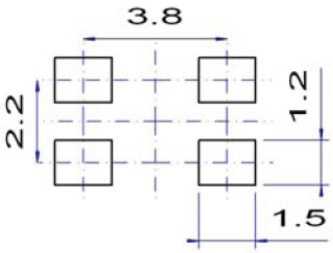


Pin function

1 crystal connection
2 GND
3 crystal connection
4 GND



Example for solder pattern

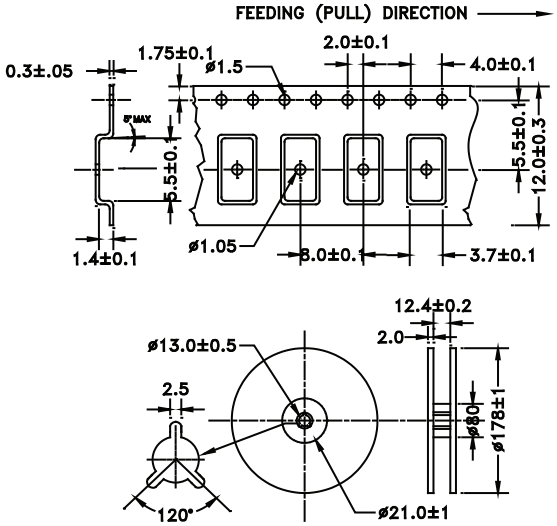


Do not design any conductive path between the pattern

Dimensions: mm

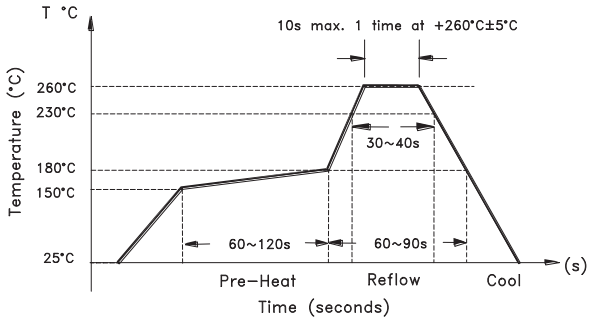
TAPE & REEL:

1000pcs/reel



Dimensions: mm

REFLOW PROFILE:





Need a test socket for the ABM3X Series? To view compatible **PRECISION TEST & BURN-IN SOCKETS** for these parts, **click here. P/N AXS-5032-04-07**

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