

CERAMIC SMD MICROPROCESSOR CRYSTAL

ABM2

Pb in Glass
(exempt per RoHS 2002/95/EC Annex (5))

RoHS
Compliant



8.0 x 4.5 x 1.4mm

Moisture Sensitivity Level (MSL) –This product is Hermetically Sealed and not Moisture Sensitive -MSL = N/A: Not Applicable

FEATURES:

- Low in height; suitable for thin equipment
- Glass sealed package assures high reliability and high temperature operation
- Tight tolerance and stability available
- Suitable for RoHS compliant reflow
- Low cost glass sealed crystal solution

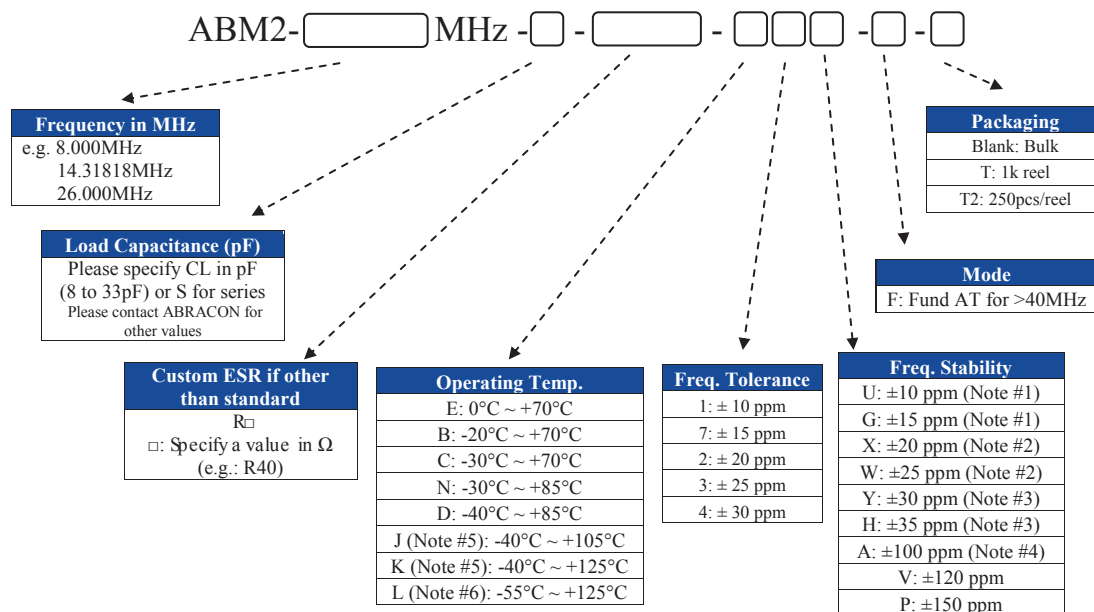
APPLICATIONS:

- High density applications
- Modems, communication and test equipment
- PCMCIA, Wireless applications
- Microprocessor crystals

STANDARD SPECIFICATIONS:

Parameters	Minimum	Typical	Maximum	Units	Notes
Frequency Range	8.000	-----	100.000		Fundamental
Operation mode	8.000	-----	40.000	MHz	Fundamental AT-cut (Standard)
	40.001	-----	100.000		3 rd OT AT-cut (Standard)
	40.001	-----	60.000		Fundamental AT-cut (See options)
Operating Temperature	-10	-----	+60	°C	See options
Storage Temperature	-40	-----	+85	°C	
Frequency Tolerance @+25°C	-50	-----	+50	ppm	See options
Frequency Stability over the Operating Temperature (ref. to +25°C)	-50	-----	+50	ppm	See options
Equivalent series resistance (R1)	-----	-----	100	Ω	8.000 – 10.000999MHz (Fundamental)
	-----	-----	60		10.001 – 15.999999MHz (Fundamental)
	-----	-----	50		16.000 – 60.000999MHz (Fundamental)
	-----	-----	70		40.000 – 100.000999MHz (3 rd OT)
Shunt capacitance (C0)	-----	-----	7	pF	-----
Load capacitance (CL)	-----	18	-----	pF	See options
Drive Level	-----	10	100	μW	
Aging @ 25°C±3°C	-----	-----	±5	ppm	First year
Insulation Resistance	500	-----	-----	MΩ	@ 100Vdc

OPTIONS AND PART IDENTIFICATION: (Left blank if standard)



Note:

- 1: -10°C to 60°C only.
- 2: -20°C to 70°C, -10°C to 60°C, E only.
- 3: -30°C to 80°C, -10°C to 60°C, C, B, E only
- 4: -40°C to 90°C, -10°C to 60°C, D, N, C, B, E only
- 5: A, V, or P only
- 6: Contact Abracon for availability

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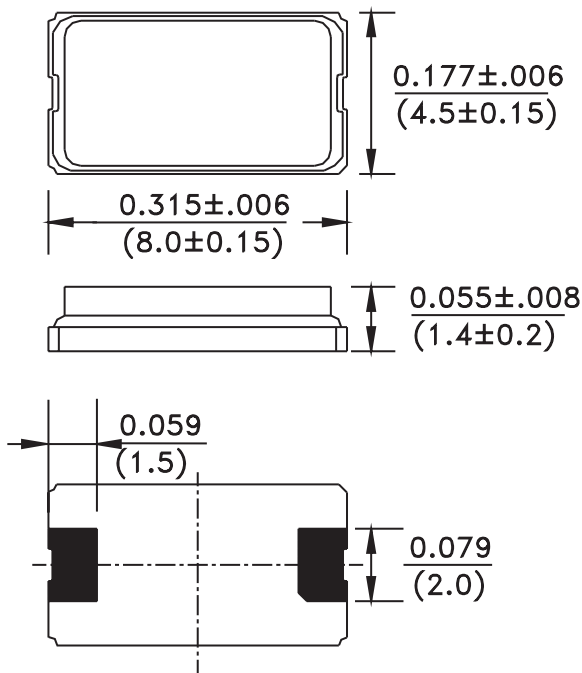
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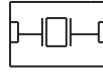


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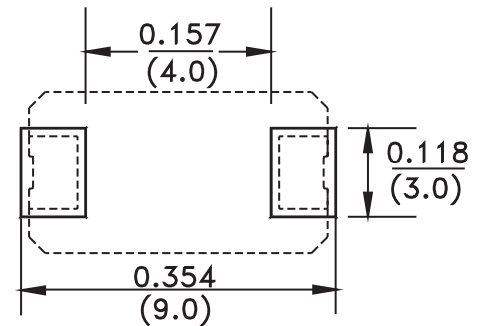
OUTLINE DRAWING:



CONNECTION



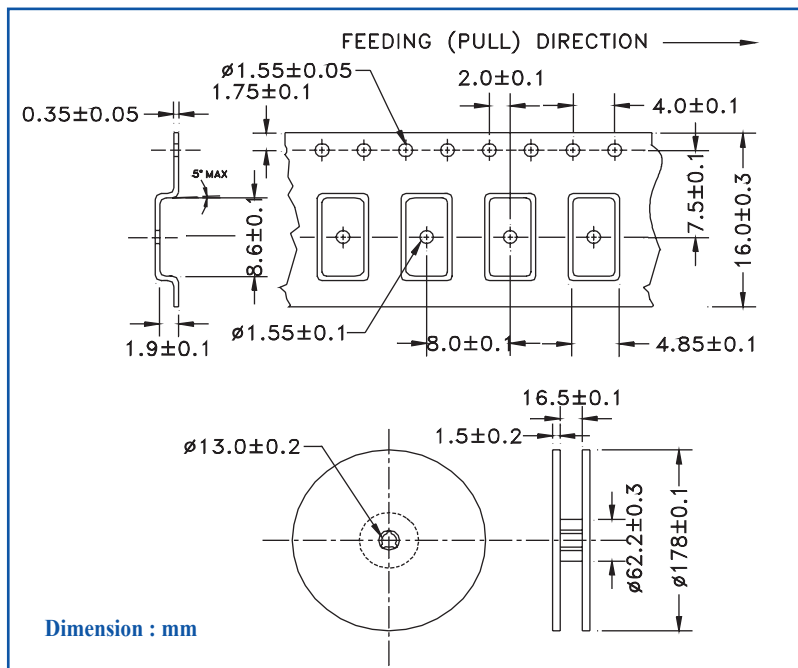
Recommended land pattern



Note: Due to the availability of raw materials, the chamfer may not appear on the both pads. Be advised that this does not affect the electrical characteristics of the crystal in any way.

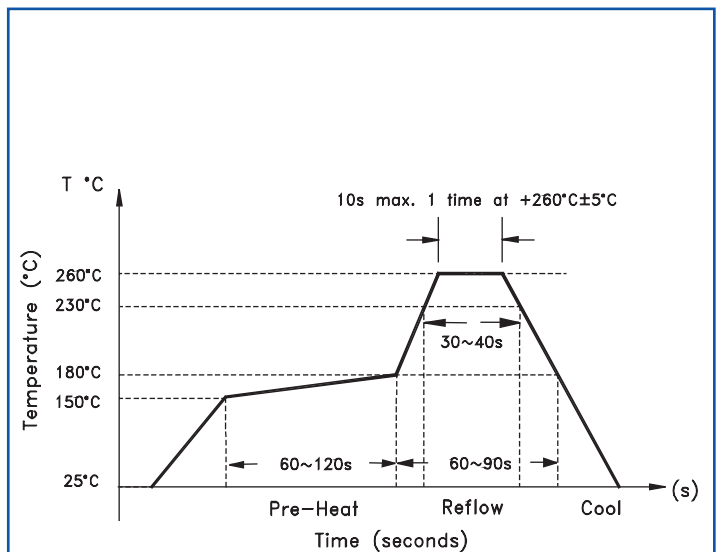
Dimension : Inches (mm)

TAPE & REEL: Tape and reel 1,000pcs/reel



Dimension : mm

REFLOW PROFILE



Need a test socket for the ABM2 Series? To view compatible PRECISION TEST & BURN-IN SOCKETS for these parts, [click here](#).

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