

MINIATURE CERAMIC SMD CRYSTAL

ABM3

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

RoHS
Compliant



5.0 X 3.2 X 1.30mm

Smaller package alternative for ABM7 series

FEATURES:

- AT-cut fundamental or 3rd OT mode
- Suitable for RoHS reflow profile
- Tight Stability available ± 10
- Ceramic package hermetically glass sealed assures high precision and reliability.

APPLICATIONS:

- Cellular telephones, pagers
- Communication and test equipment
- PCMCIA and wireless applications

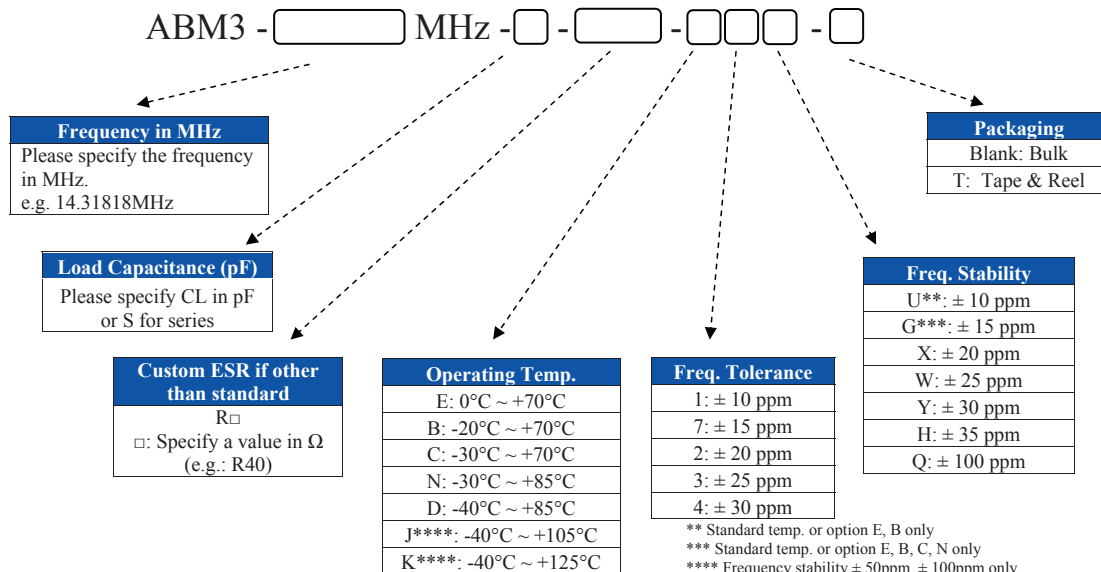
STANDARD SPECIFICATIONS:

Parameters	Minimum	Typical	Maximum	Units	Notes
Frequency Range	8.000	-----	54.000	MHz	Fundamental
	54.100	-----	80.000		3 rd Overtone
Operation Mode	Fundamental or 3 rd Overtone				
Operating Temperature	-10	-----	+60	°C	See options
Storage Temperature	-40	-----	+90	°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)	See table 1 below			Ω	
Shunt capacitance (C0)	-----	-----	7	pF	
Load capacitance (CL)	-----	18	-----	pF	Standard (See options if other than STD)
Drive Level	-----	10	100	μ W	
Aging	-5	-----	+5	ppm	@25°C $\pm$ 3°C First year
Insulation Resistance	500	-----	-----	M Ω	@ 100Vdc $\pm$ 15V

Table 1 – Standard ESR

Frequency (MHz)	ESR(Ω) max.	Operation Mode
8.000 – 8.999	500	Fundamental
9.000 – 9.999	200	Fundamental
10.000 – 15.999	60	Fundamental
16.000 – 54.000	50	Fundamental
54.100 – 80.000	60	3 rd Overtone

OPTIONS AND PART IDENTIFICATION: (Left blank if standard)



** Standard temp. or option E, B only
*** Standard temp. or option E, B, C, N only
**** Frequency stability ± 50 ppm, ± 100 ppm only
Please contact Abracon for tighter freq. stability

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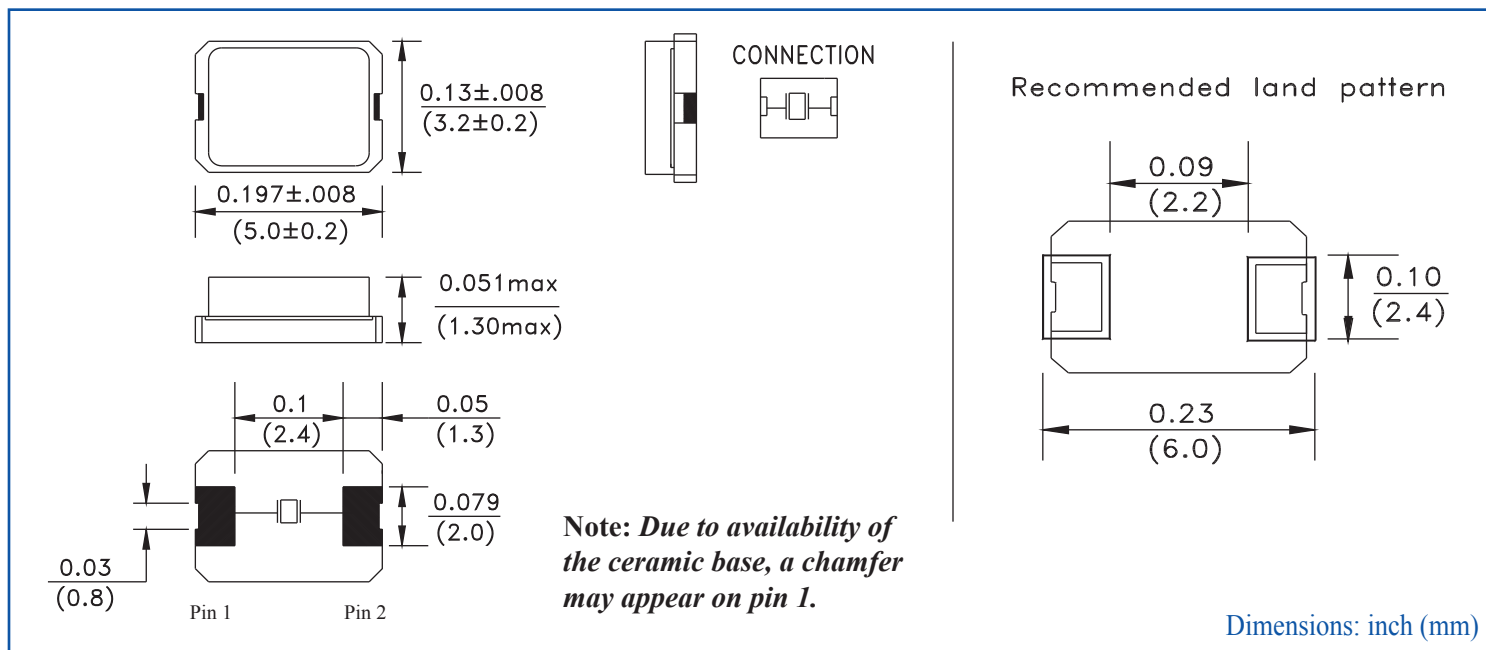
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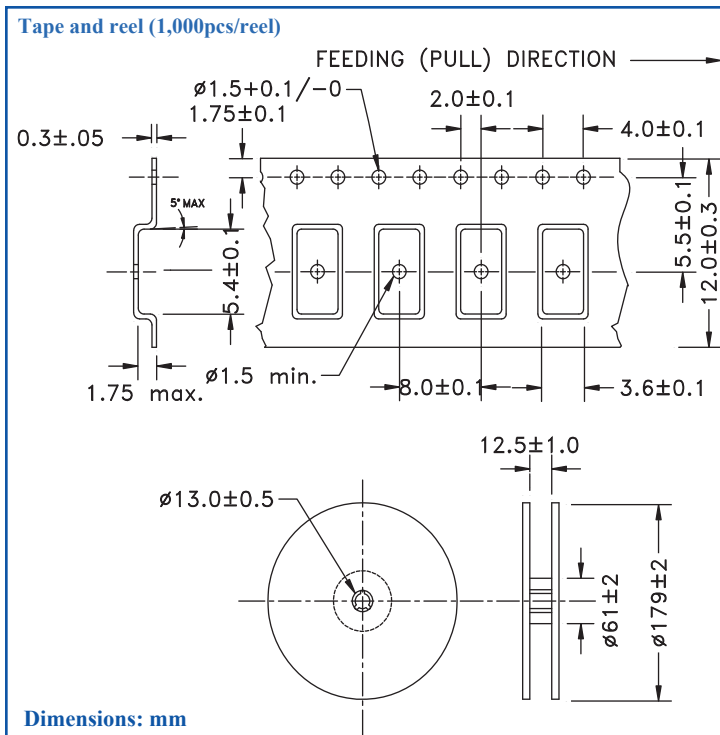


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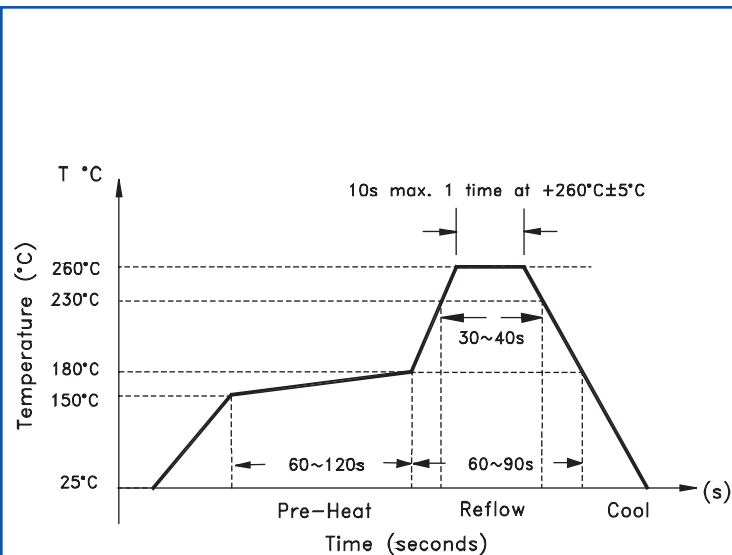
OUTLINE DRAWING:



TAPE & REEL:



REFLOW PROFILE



Need a test socket for the ABM3 Series? To view compatible **PRECISION TEST & BURN-IN SOCKETS** for these parts, **click here**. P/N: **AXS-5032-02-06**

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