

MINIATURE CERAMIC SMD CRYSTAL

ABM3

Pb in Glass, exemption 7C-I per RoHS II Directive
2011/65/EU Annex

RoHS/RoHS II Compliant.



5.0 X 3.2 X 1.3mm

Smaller package alternative for ABM7 series

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

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)			140	Ω	$8.000 \leq F < 9.000$ (Fund)
			120		$9.000 \leq F < 10.000$ (Fund)
			60		$10.000 \leq F < 16.000$ (Fund)
			40		$16.000 \leq F < 20.000$ (Fund)
			30		$20.000 \leq F < 30.000$ (Fund)
			25		$30.000 \leq F \leq 54.000$ (Fund)
			60		$54.000 < F \leq 80.000$ (3 rd OT)
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

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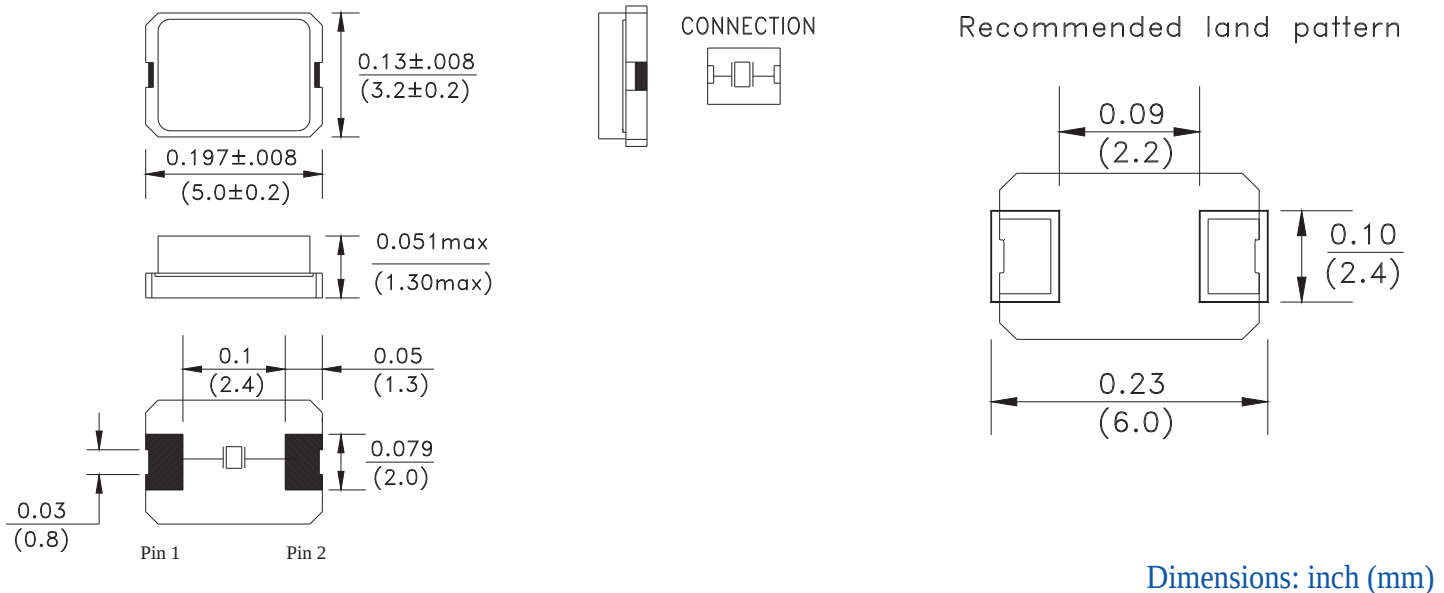
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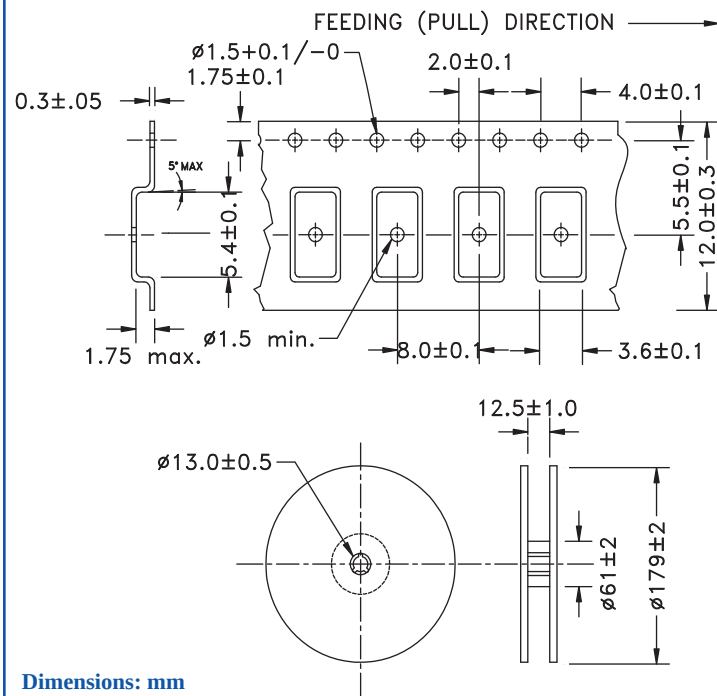


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OUTLINE DRAWING:



TAPE & REEL:



REFLOW PROFILE

