ULTRA MINIATURE CERAMIC SMD CRYSTAL



3.2 x 2.5 x 0.75mm

ABM8-166-114.285MHz-T

Pb RoHS/RoHS II Compliant

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, 0.75mm max
- Seam sealed package assures high reliability
- Suitable for RoHS reflow

APPLICATIONS:

- For use with SiLab Part Number Si5316

STANDARD SPECIFICATIONS:

Parameters	Minimum	Typical	Maximum	Units	Notes
Center Frequency		114.285		MHz	
Operation Mode		3rd OT, AT-Cut			
Operating Temperature	-40		+85	ºC	
Storage Temperature	-55		+125	ºC	
Frequency Tolerance	-20		+20	ppm	
Frequency Stability over the Operating Temperature (ref. to +25ºC)	-20		+20	ppm	
Equivalent series resistance (R1)			62	Ω	
Shunt capacitance (C0)			1.80	pF	
Load capacitance (CL)		18		pF	
Drive Level		10	100	µW	
Aging @25±3ºC	-2		+2	ppm	First year
Insulation Resistance	500			MΩ	@100Vdc±15V

FREQUENCY PERTURBATION OVER TEMPERATURE

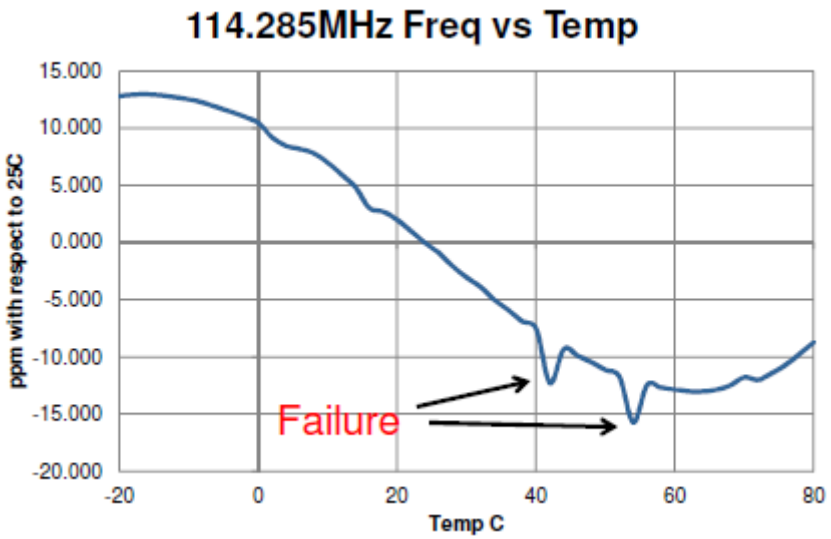


Figure (1)

These Crystals will not exhibit an abrupt change in ESR or frequency, such as caused by Spurious Mode Interference, as shown in figure (1) above. The ABM8-166-114.285MHz-T crystals are optimized to eliminate these abrupt changes, whether as a function of design and/or screening over temperature.

30332 Esperanza, Rancho Santa Margarita, California 92688
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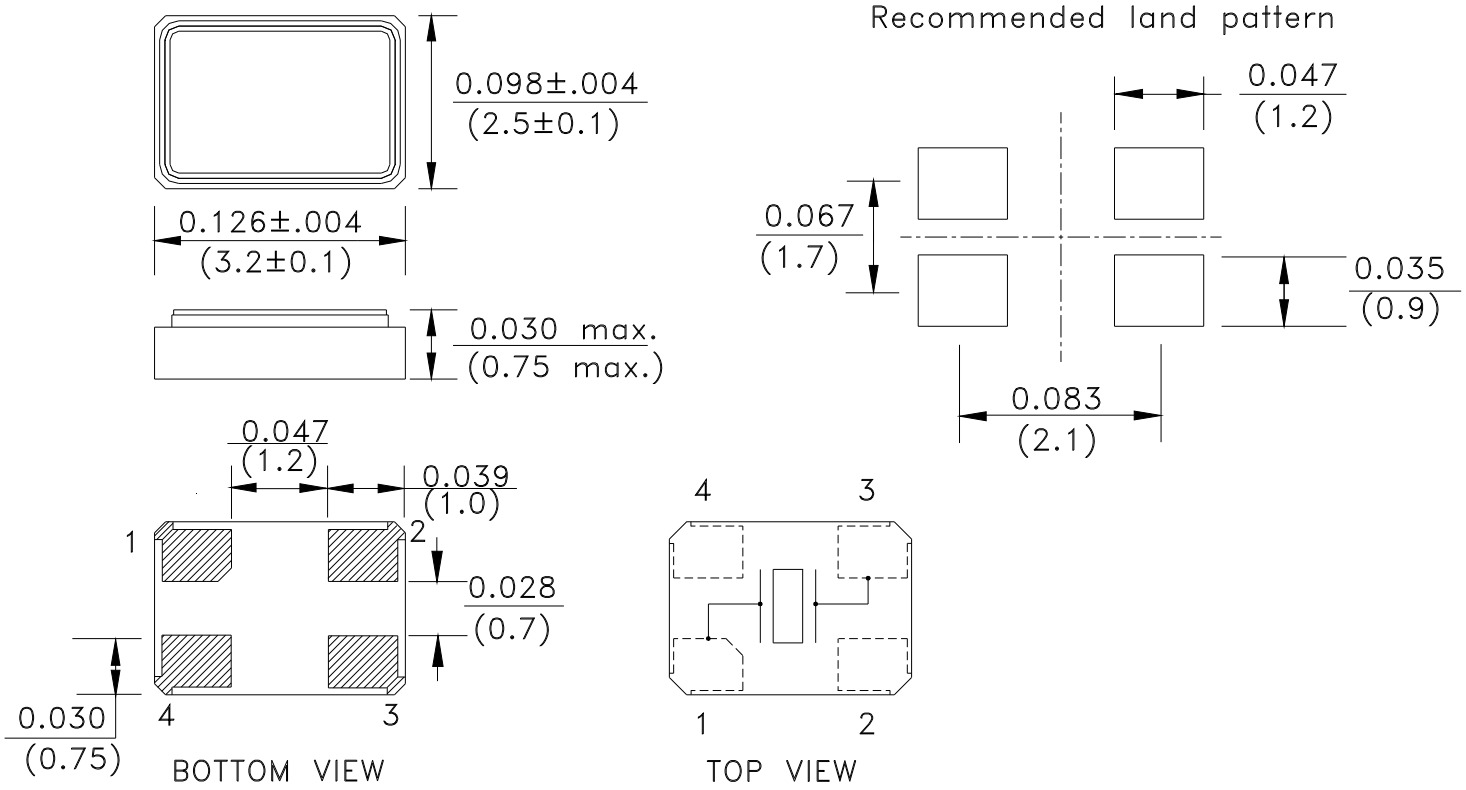


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Pb RoHS/RoHS II Compliant

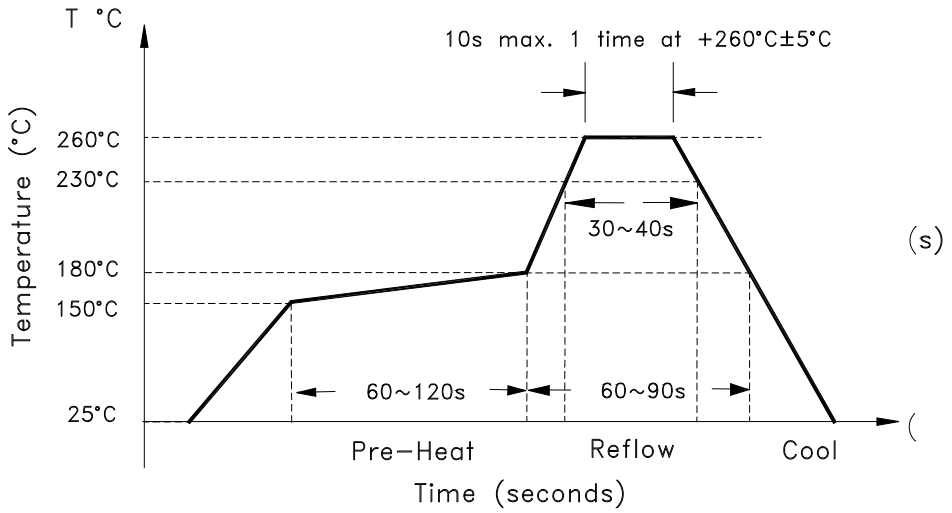
3.2 x 2.5 x 0.75mm

OUTLINE DRAWING:



Dimensions: inches (mm)

REFLOW PROFILE:



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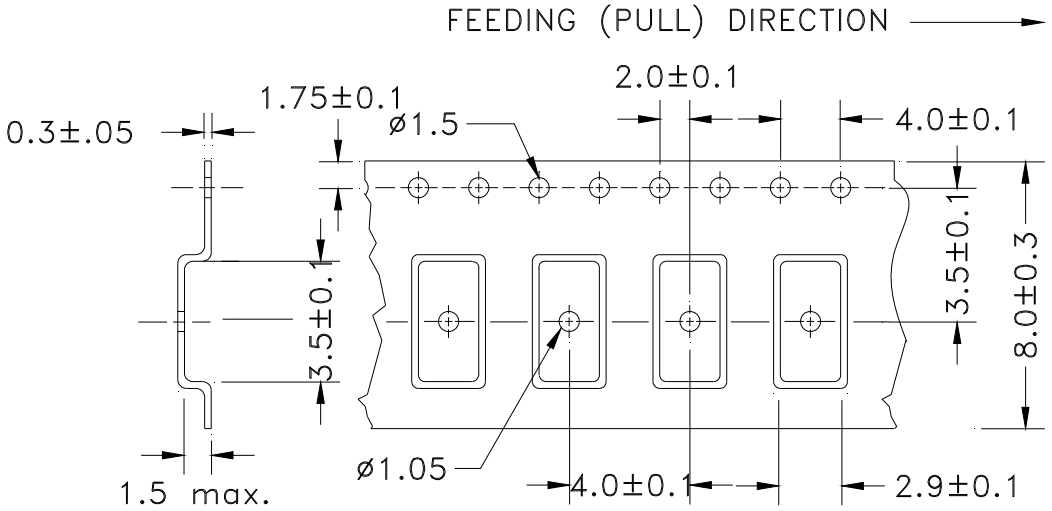
ABM8-166-114.285MHz-T

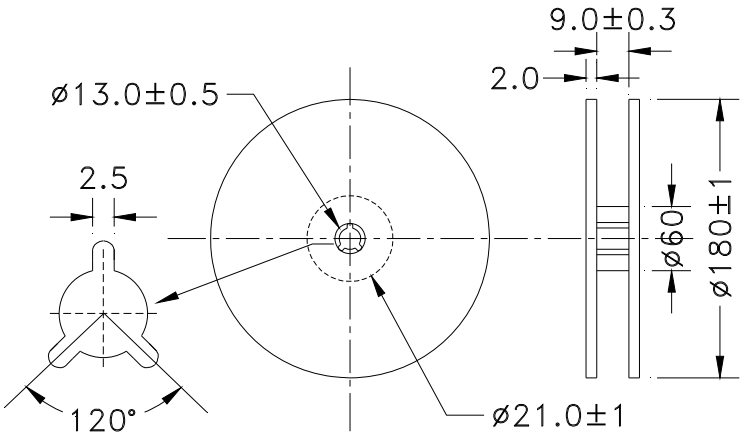
RoHS/RoHS II Compliant

3.2 x 2.5 x 0.75mm

TAPE & REEL:

ABM8-166-114.285MHz : Bulk package
ABM8-166-114.285MHz-T : 1,000pcs/reel Standard
ABM8-166-114.285MHz-T2 : 2,000pcs/reel Standard





Dimensions: mm



Need a test socket for the ABM8 Series? To view compatible PRECISION TEST & BURN-IN SOCKETS for these parts, click here.

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