

# ULTRA MINIATURE CERAMIC SMD CRYSTAL



3.2 x 2.5 x 0.75mm

**ABM8-166-114.285MHz-T**

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

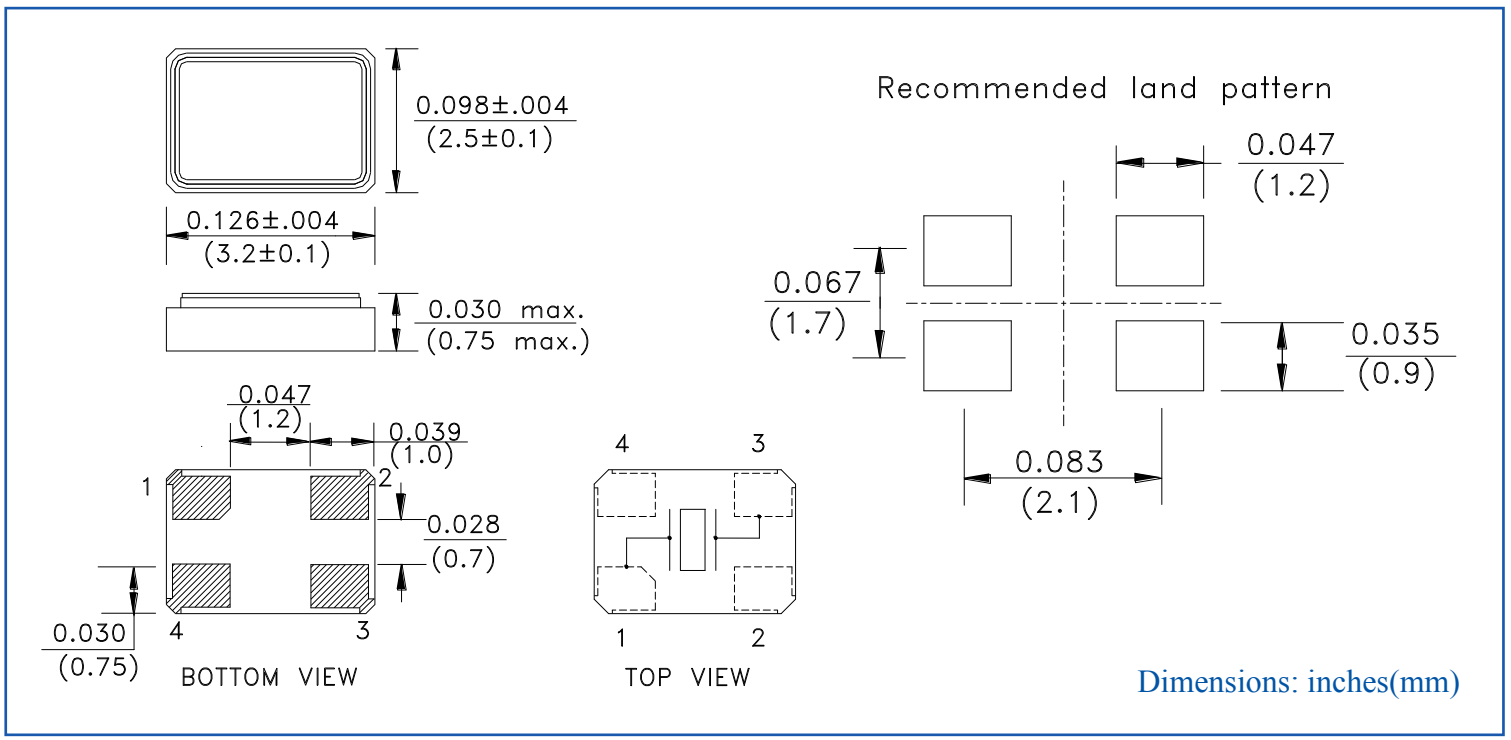
## APPLICATIONS:

- For use with SiLab Part Number Si5316

## STANDARD SPECIFICATIONS:

Parameters	Minimum	Typical	Maximum	Units	Notes
Center Frequency		114.285		MHz	
Operation Mode	3 <sup>rd</sup> OT, AT-Cut				
Operating Temperature	-40	-----	+85	°C	
Storage Temperature	-55	-----	+125	°C	
Frequency Tolerance	-20	-----	+20	ppm	
Frequency Stability over the Operating Temperature (ref. to +25°C)	-20	-----	+20	ppm	
Equivalent series resistance (R1)	-----	-----	80	Ω	
Shunt capacitance (C0)	-----	-----	3	pF	
Load capacitance (CL)	-----	18	-----	pF	
Drive Level	-----	10	100	μW	
Aging @25±3°C	-2	-----	+2	ppm	First year
Insulation Resistance	500	-----	-----	MΩ	@100Vdc±15V

## OUTLINE DRAWING:



Visit [www.abracon.com](http://www.abracon.com) for Terms & Conditions of Sale **Revised: 10.24.11**  
 30332 Esperanza, Rancho Santa Margarita, California 92688  
 tel 949-546-8000 | fax 949-546-8001 | [www.abracon.com](http://www.abracon.com)

# ULTRA MINIATURE CERAMIC SMD CRYSTAL



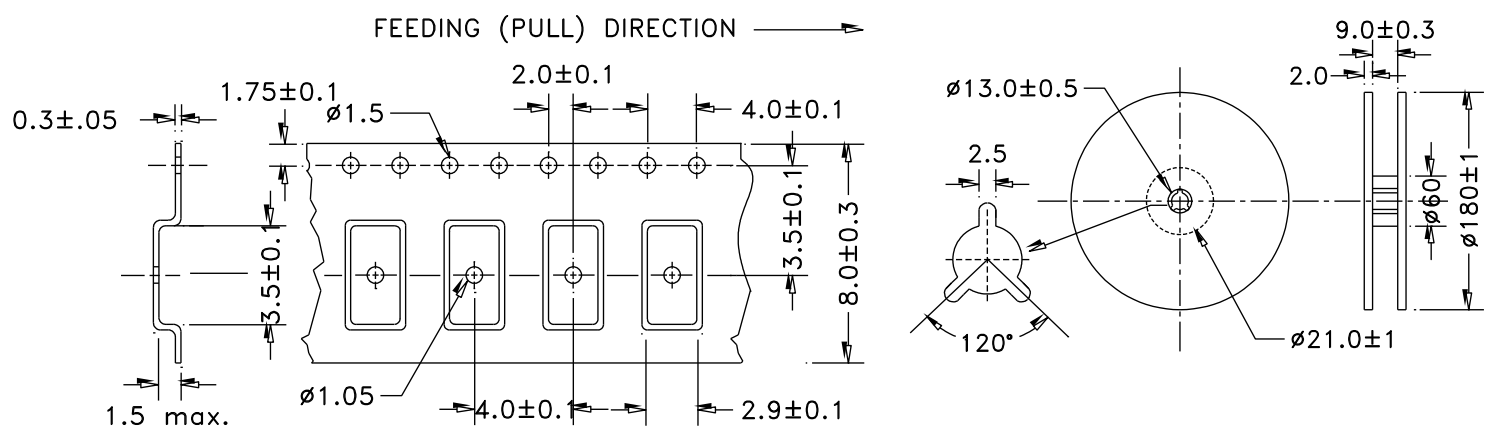
3.2 x 2.5 x 0.75mm

ABM8-166-114.285MHz-T



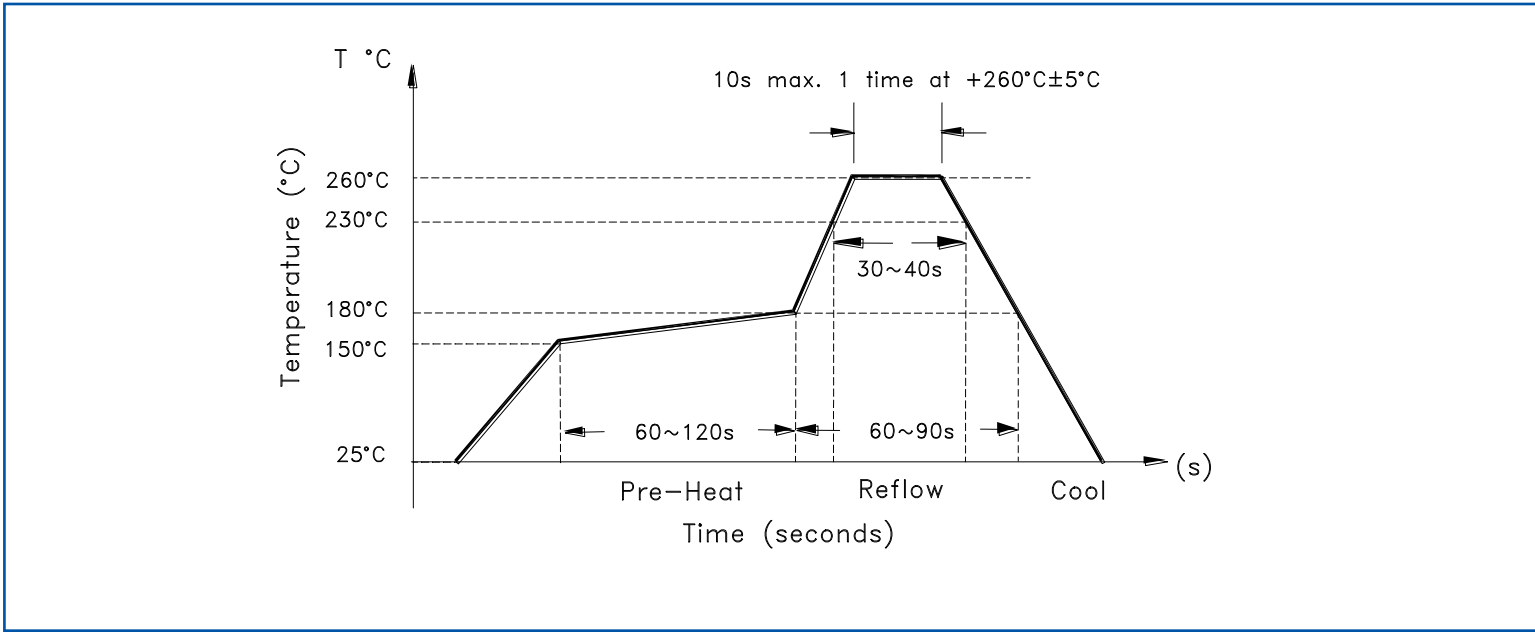
## TAPE & REEL:

- ABM8-166-114.285MHz : Bulk package
- ABM8-166-114.285MHz-T : 1,000pcs/reel (Non-std reel quantity)
- ABM8-166-114.285MHz-T2 : 2,000pcs/reel (Std reel quantity)



Dimensions: mm

## REFLOW PROFILE:



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

**ATTENTION:** Abracon Corporation's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon Corporation is required. Please contact Abracon Corporation for more information.



Visit [www.abracon.com](http://www.abracon.com) for Terms & Conditions of Sale **Revised: 10.24.11**  
 30332 Esperanza, Rancho Santa Margarita, California 92688  
 tel 949-546-8000 | fax 949-546-8001 | [www.abracon.com](http://www.abracon.com)