

# CERAMICS SMD ULTRA MINIATURE QUARTZ CRYSTAL



ABM11

2.0 x 1.6 x 0.59 mm

ABM11



**RoHS**  
Compliant

## FEATURES:

- 2.0 x 1.6 x 0.59mm ultra miniature package.
- Suitable for RoHS compliant reflow.
- Seam sealed ceramic package with metal lid assures high precision and reliability.

## APPLICATIONS:

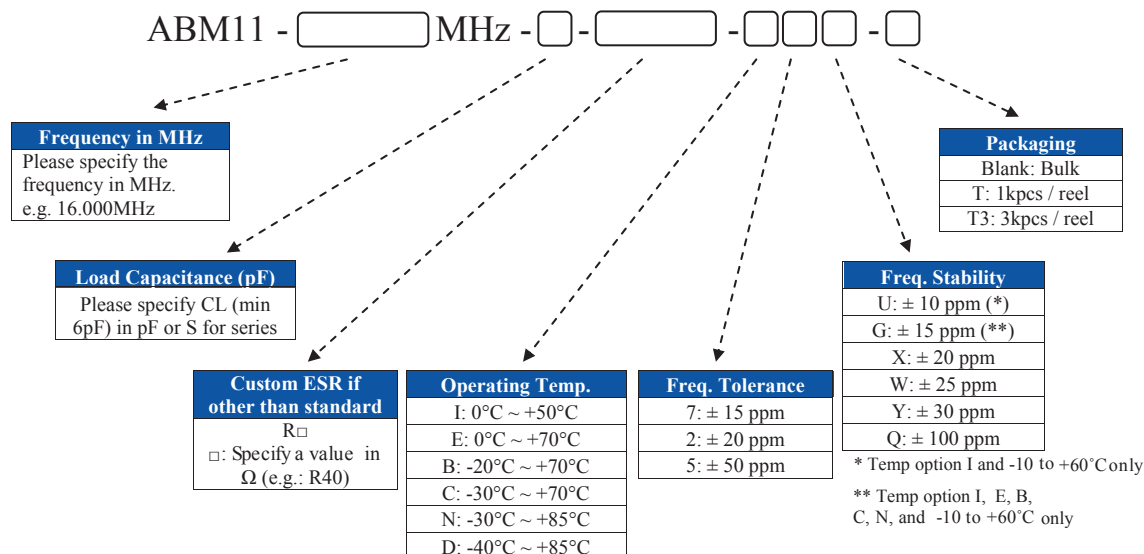
- Cellular telephones, Pagers.
- Communication and Test equipment.
- High Density applications
- PCMCIA and wireless applications.

## STANDARD SPECIFICATIONS:

Parameters	Minimum	Typical	Maximum	Units	Notes
Frequency Range	18.000	-----	50.000	MHz	
Operation Mode	Fundamental			-----	18MHz - 50MHz
Operating Temperature	-10	-----	+60	°C	See options
Storage Temperature	-40	-----	+85	°C	
Frequency Tolerance @+25°C	-30	-----	+30	ppm	See options
Frequency Stability over the Operating Temperature ( ref. to +25°C)	-50	-----	+50	ppm	See options
Equivalent series resistance (R1)	-----	-----	120	Ω	18.000~20.999MHz
	-----	-----	100		21.000~29.999 MHz
	-----	-----	80		30.000~37.999 MHz
	-----	-----	60		38.000~50.000 MHz
Shunt capacitance (C0)	-----	-----	7.0	pF	
Load capacitance (CL)	-----	10	-----	pF	Standard (See options if other than STD)
Drive Level	-----	10	100	μW	
Aging	-5	-----	+5	ppm	@25°C±3°C First year
Insulation Resistance	500	-----	-----	MΩ	@ 100Vdc ± 15V

## OPTIONS AND PART IDENTIFICATION:

(Left blank if standard)



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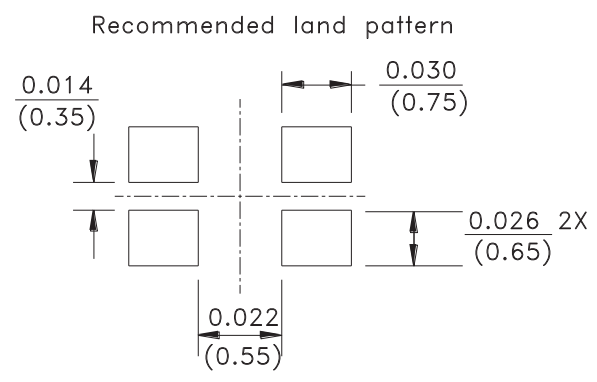
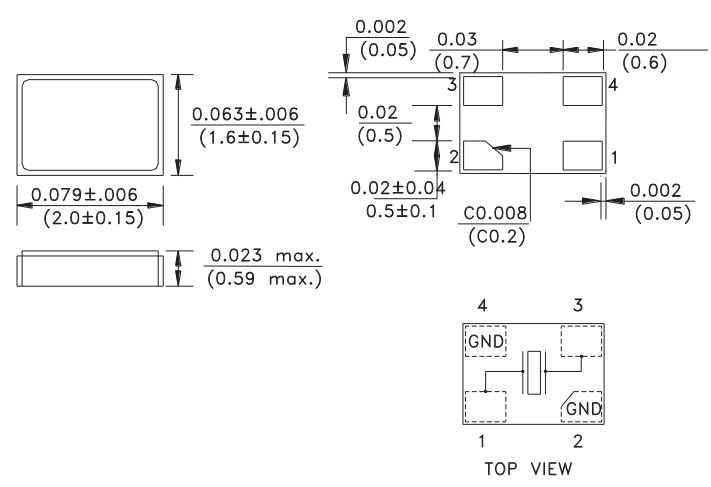


2.0 x 1.6 x 0.59 mm

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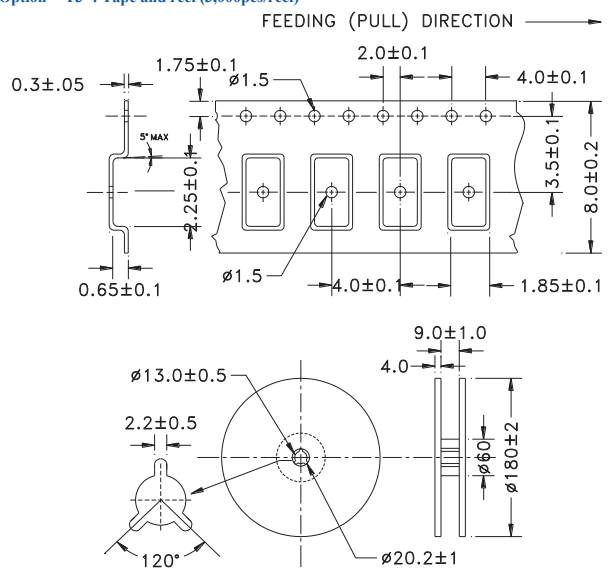
## OUTLINE DRAWING:



Note: Due to the availability of raw materials, this part may be manufactured with the chamfer on pin 1 or 4. Be advised that this does not affect the electrical characteristics of the crystal in anyway.

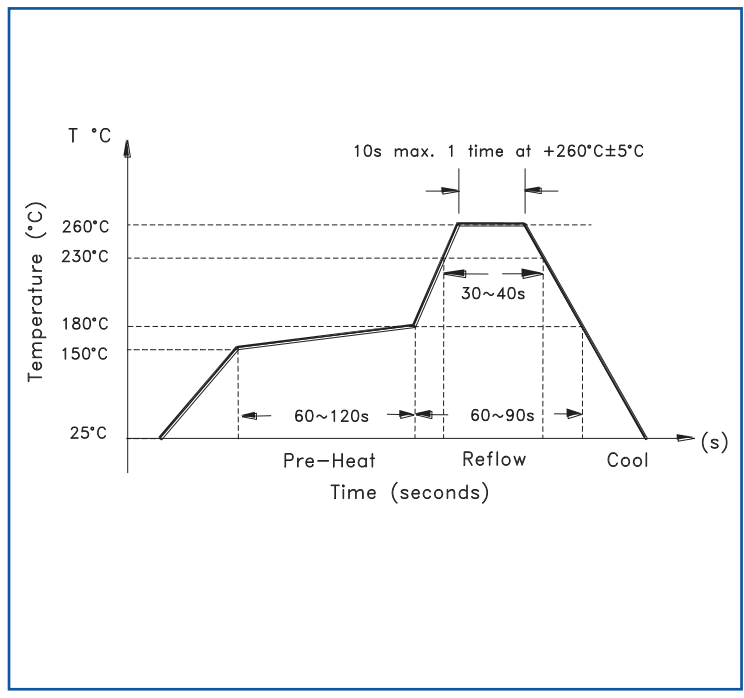
## TAPE & REEL:

Option "-T": Tape and reel (1,000pcs/reel)  
 Option "-T3": Tape and reel (3,000pcs/reel)



Dimensions: mm

## REFLOW PROFILE:



Need a test socket for the ABM11 Series? To view compatible **PRECISION TEST & BURN-IN SOCKETS** for these parts, [click here](#). P/N AXS-2016-04-04C

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