CERAMICS SMD ULTRA MINIATURE QUARTZ CRYSTAL







2.0 x 1.6 x 0.59 mm

ABM11

> 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.

Compliant

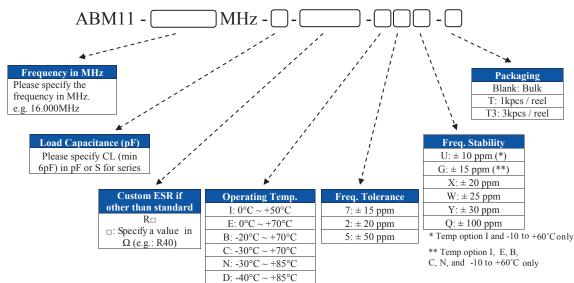
- High Density applications
- PCMCIA and wireless applications.

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			ΜΩ	@ $100 \text{Vdc} \pm 15 \text{V}$

> OPTIONS AND PART IDENTIFICATION:

(Left blank if standard)







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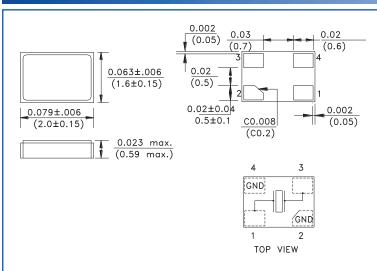




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OUTLINE DRAWING:



Recommended land pattern 0.030 0.014 (0.75)(0.35)0.026 2X (0.65)

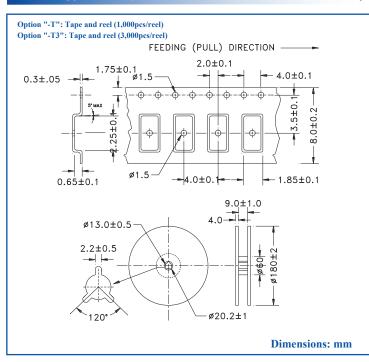
Compliant

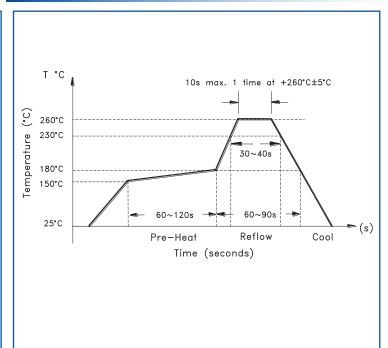
Note: Due to the availability of raw materials, this part may be manufactured with the chamfer on pin 1 or 4. Be advised that this does not affect the electrical characteristics of the crystal in any way.

Dimensions: inch (mm)

TAPE & REEL:

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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