CERAMIC SURFACE MOUNT LOW PROFILE QUARTZ CRYSTALS





6.0 x 3.6 x 1.2 mm

ABMM2

RoHS Compliant

FEATURES:

- Suitable for RoHS compliant reflow
- Low height 1.2 mm max
- Seam sealed ceramic package assures high reliabilityAvailable tight tolerance and stability

> APPLICATIONS:

- Computers, Modems, Microprocessors
- Communication, Test equipment
- PCMCIA

STANDARD SPECIFICATIONS:

Parameters		Minimum	Typical	Maximum	Units	Notes
Frequency Range		7.3728		110.00	MHz	
Operation Mode	7.3728 – 30.00MHz		Fundamental			Standard
	30.01 – 100.00MHz	3 rd Overtone				Standard
	100.01 – 110.00MHz	5 th Overtone				Standard
	30.01 – 50.00MHz	Fundamental				See options
Operating Temperature		-10		+60	°C	See options
Storage Temperature		-40		+85	°C	
Frequency Tolerance @+25°C		-20		+20	ppm	See options
Frequency Stability over the Operating Temperature (ref. to +25°C)		-20		+20	ppm	See options
Equivalent series resistance (R1)		See table 1 below			Ω	
Shunt capacitance (C0)				7.0	pF	
Load capacitance (CL)			18.0		pF	Standard (See options if other than STD)
Drive Level			100	500	μW	
Aging		-2		+2	ppm	@25°C±3°C First year
Insulation Resistance		500			ΜΩ	

TABLE 1- Standard ESR

Frequency (MHz)	$ESR(\Omega)$ max
7.3728 -7.999999 (Fund)	150
8.000 -9.999999 (Fund)	72
10.000 -50.000 (Fund)	50
$30.000 - 100.000 (3^{\text{rd}} \text{OT})$	60
$100.001 - 110.000 (5^{th} OT)$	80





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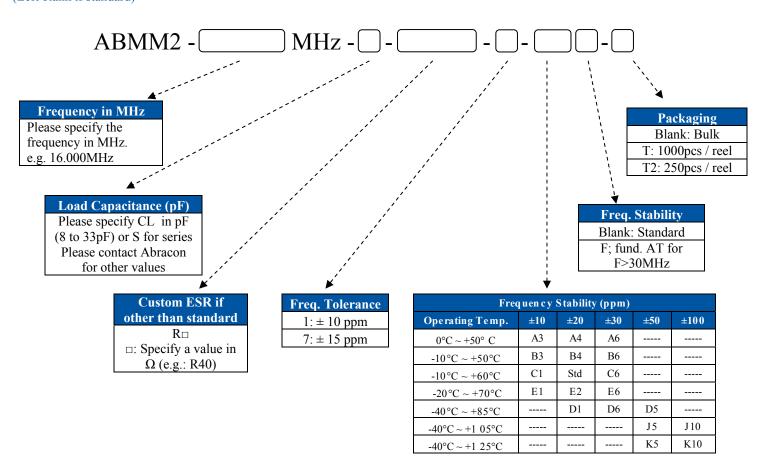




6.0 x 3.6 x 1.2 mm

OPTIONS & PART IDENTIFICATION:

(Left blank if standard)





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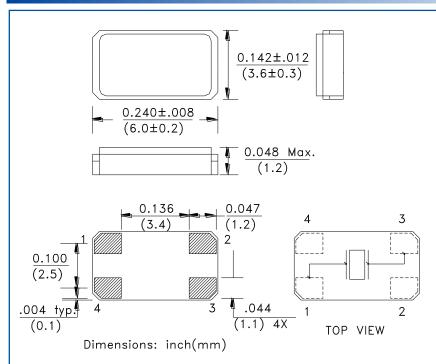
ABMM2

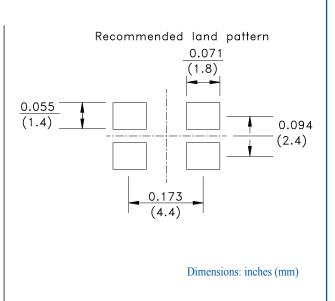




6.0 x 3.6 x 1.2 mm

OUTLINE DRAWING:



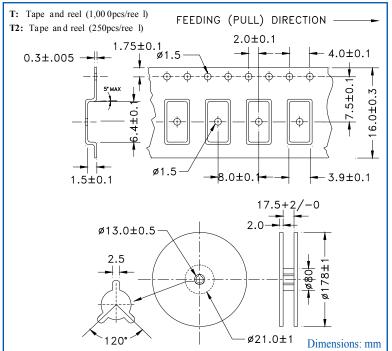


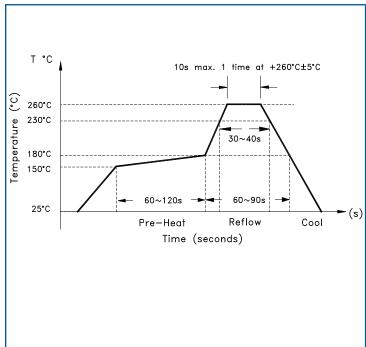
Note 1: A chamfer of 0.3mm may appear on pad 1 or 4

Note 2: A rounded pad may appear on pad 1

TAPE & REEL:

REFLOW PROFILE





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