# CER AMIC SURFACE MO UNT LOW PR OFILE MICROPROCESS OR CRYSTA L

# ABMM1





### > FEATURES:

- Suitable for RoHS reflow profile
- Low height 1.1mm
- Ideal for thin equipment
- AT cut offers a tight tolerance and stability ± 50ppm

### > APPLICATIONS:

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

### STANDARD SPECIFICATIONS:

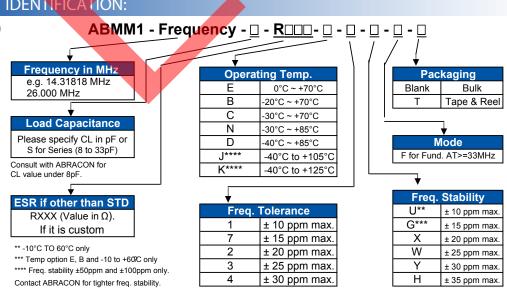
PARAMETERS			
ABRACON P/N	ABMM1 Series		
Frequency Range	6.0 MHz to 125 MHz		
Operation Mode	AT-cut 6.0 MHz ~ 33.0 MHz (Fundamental: Standard) 33.01 MHz ~ 125 MHz (Third-Overtone: Standard) 33.01 MHz ~ 50.0 MHz (Fundamental: See options)		
Operating Temperature	- 10°C to + 60°C (see options)		
Storage Temperature	- 40°C to + 85°C		
Frequency Tolerance at +25°C	± 50 ppm max. (see options)		
Frequency Stability over the Operating Temp. (Ref to +25°C	± 50 ppm max. (see options)		
Equivalent Series Resistance	See Table 1		
Shunt Capacitance Co	7pF max.		
Load Capacitance C <sub>L</sub>	18pF (see options)		
Drive Level	500μW max., 100μW typ <mark>ical</mark>		
Aging at 25°C First Year	± 5ppm max.		
Insulation Resistance	500Mohms min at 100Vdc ± 15V		

### TABLE 1

	Frequency (MHz)	ESR (Ω) max.	Frequency (MHz)	ESR (Ω) max.
	6.000 - 11.999(Fund)	70	20.000 - 50.000(Fund)	40
1	12.000 - 20.000(Fund)	50	33.000 - 125.00(3rd O/T)	80

### OPTIONS & PART IDENTIFICATION:

(Left blank if standard)



ABRACON IS ISO9001:2008 CERTIFIED



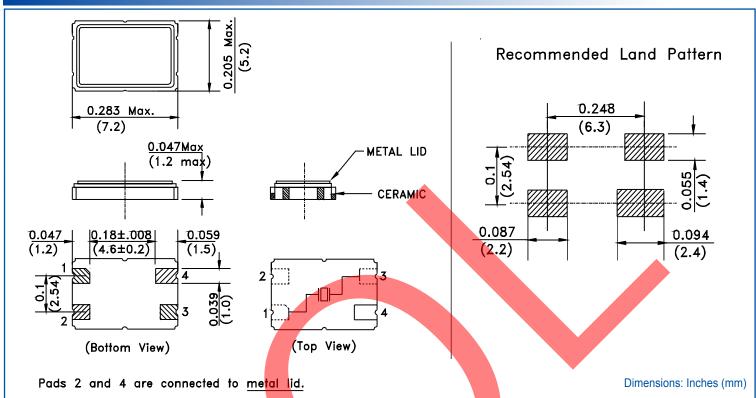
# CERAMIC SURFACE MOUNT LOW PROFILE MICROPROCESSOR CRYSTAL

ABMM1





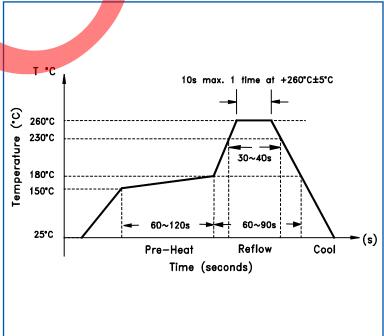
### **OUTLINE DRAWING:**



# TAPE & REEL: Tape and red (1,000pcs/reel)

# Dimensions: (mm) FEEDING (PULL) DIRECTION 2.0±0.1 0.3±.005 1.75±0.1 91.5 91.5 8±0.1 17.5+2/-0 2.0 913.0±0.5 921.0±1

## REFLOW PROFILE



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