

# ULTRA MINIATURE CERAMIC SMD CRYSTAL



1.6 x 1.2 x 0.45 mm

ABM12

Preliminary (sample available Q4.2007)



RoHS  
Compliant

## FEATURES:

- RoHS compliant
- Suitable for reflow
- Tight stability available
- Ceramic package seam welded sealing assures high precision and reliability
- Smallest package size in industry

## APPLICATIONS:

- Blue-tooth, Wireless applications
- Computers, Modems, Microprocessors
- Communication, Test equipment
- High density applications
- PCMCIA
- Portable radios and MP3 players

## STANDARD SPECIFICATIONS:

### PARAMETERS

ABRACON P/N	ABM12 Series
Frequency Range	26.00 MHz - 80.00 MHz
Operation Mode	Fundamental
Operating Temperature	- 10°C to + 50°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 C <sub>0</sub>	5pF max.
Load Capacitance C <sub>L</sub>	8pF (see options)
Drive Level	100µW max.
Aging at 25°C ± 3°C First Year	± 5ppm max.
Insulation Resistance	500MΩ min at 100Vdc ± 15V

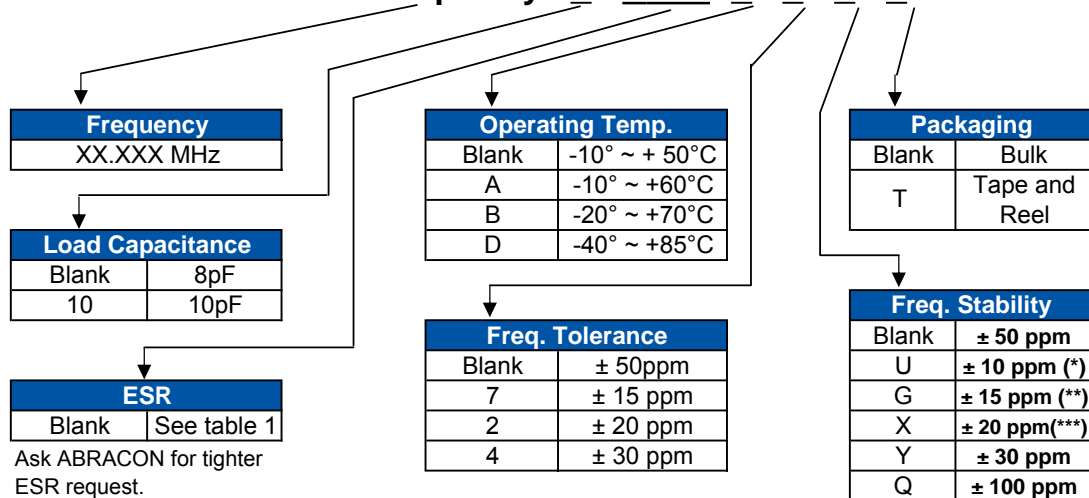
TABLE 1 - Standard ESR

FREQ (MHz)	ESR (Ω)max.
26.0 - 30.0	150
30.0 - 80.0	100

## OPTIONS & PART IDENTIFICATION:

(Left blank if standard)

ABM12 - Frequency - □ - R□□□ - □ - □ - □ - □



(\*) 0° ~ +50°C only

(\*\*) -10° ~ +60°C and -0° ~ +50°C

(\*\*\*) -20° ~ +70°C, -10° ~ +60°C, and -0° ~ +50°C

ABRACON IS  
ISO 9001 / QS 9000  
CERTIFIED



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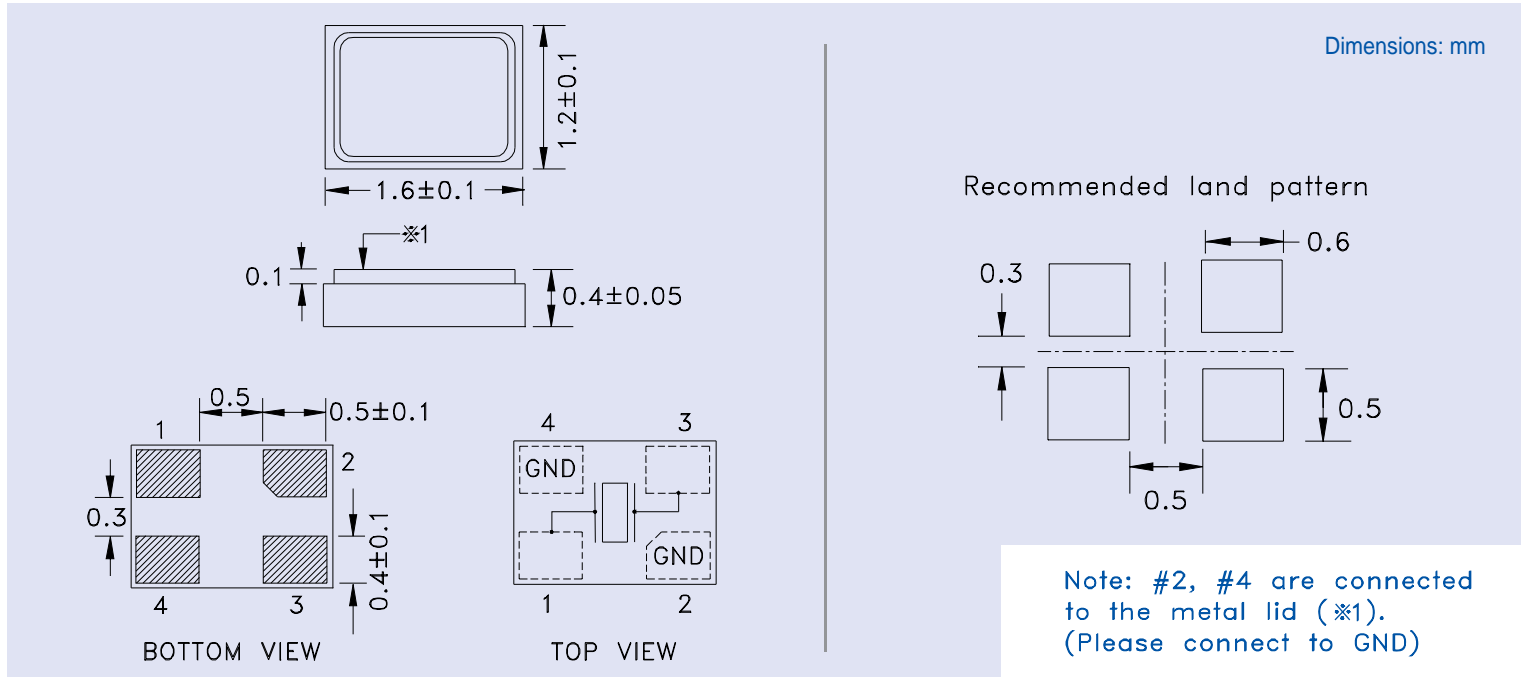
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## OUTLINE DRAWING:



## TAPE & REEL:

