

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 ₀ | 5pF max. |
| Load Capacitance C _L | 8pF (see options) |
| Drive Level | 100µW max. |
| Aging at 25°C ± 3°C First Year | ± 5ppm max. |
| Insulation Resistance | 500MΩ min at 100Vdc ± 15V |

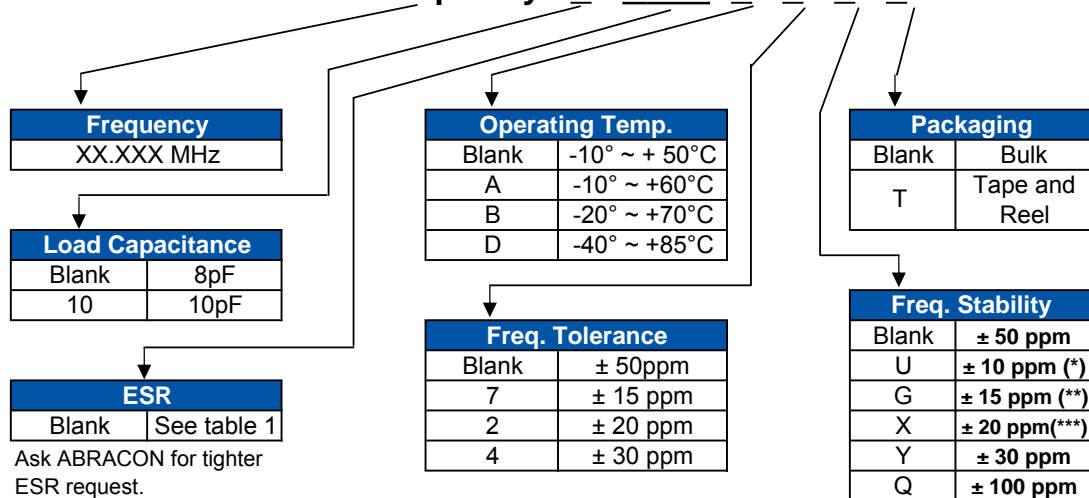
TABLE 1 - Standard ESR

| 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



ABRACON
CORPORATION

30332 Esperanza, Rancho Santa Margarita, California 92688

tel 949-546-8000 | fax 949-546-8001 | www.abracon.com

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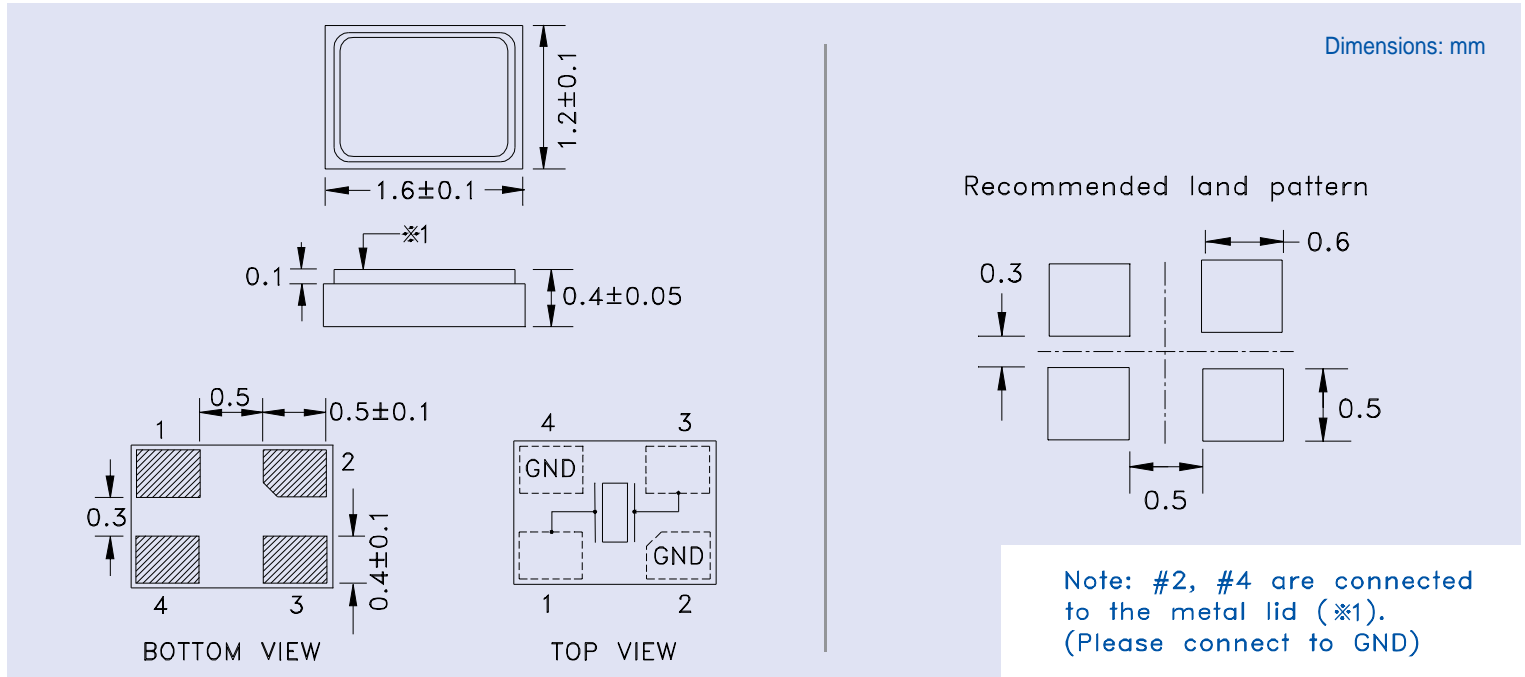
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OUTLINE DRAWING:



TAPE & REEL:

