

32.768kHz SMD LOW PROFILE CRYSTAL



3.2 x 1.5 x 0.9 mm

ABS07

Moisture Sensitivity Level (MSL) – This product is Hermetically Sealed and not Moisture Sensitive - MSL = N/A: Not Applicable



RoHS/RoHS II

FEATURES:

- Low frequency in small size SMD
- 0.9mm height ideal for high density circuit boards
- Seam sealed ceramic package offers excellent environmental & heat resistance
- Extended temperature -55°C to +125°C for industrial applications

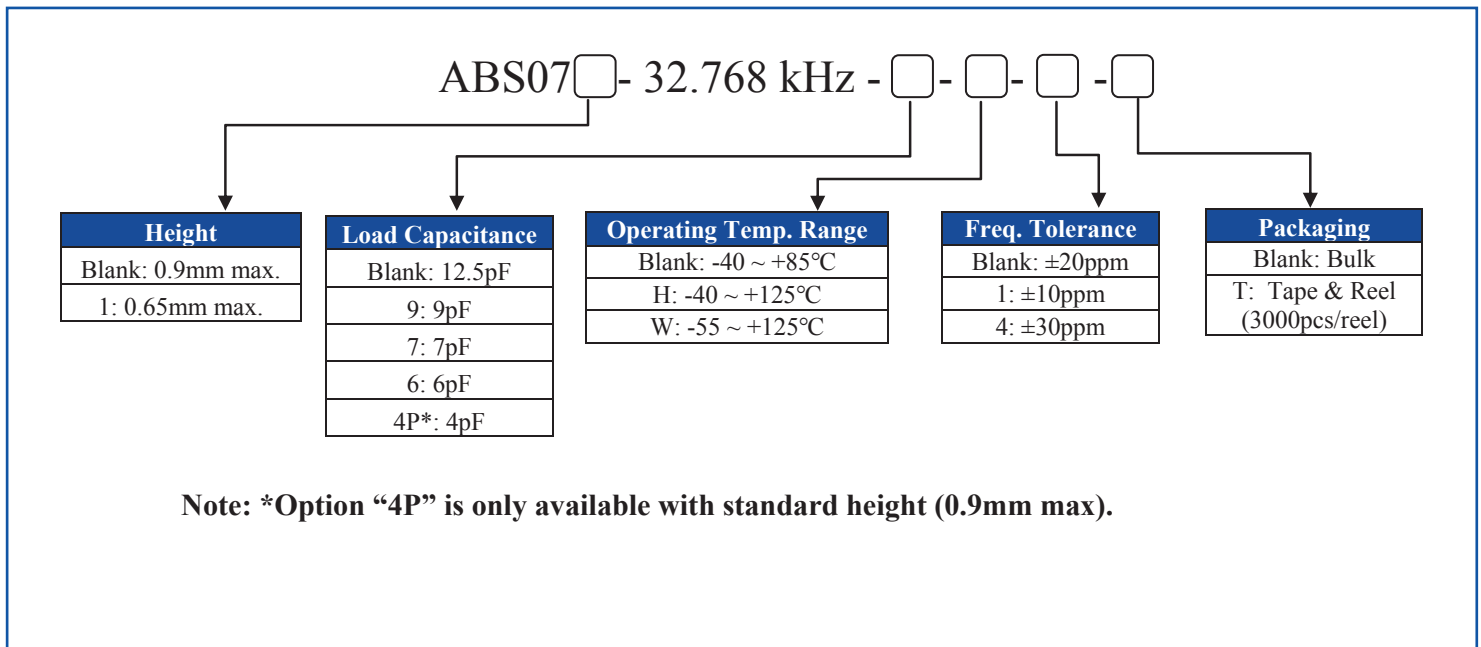
APPLICATIONS:

- Wide range in communication & measuring equipment
- Commercial & Industrial applications
- Wireless communications
- PDA and Smartphone

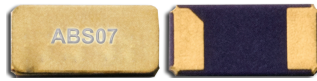
STANDARD SPECIFICATIONS

| Parameters | Minimum | Typical | Maximum | Units | Notes |
|-----------------------------------|-----------------------------|-----------|---------|--------------------|----------------|
| Frequency | 32.768 | | | kHz | |
| Operation Mode | Flexural Mode (Tuning Fork) | | | | |
| Operating Temperature | -40 | | +85 | °C | See options |
| Storage Temperature | -55 | | +125 | °C | |
| Frequency Tolerance @+25°C | -20 | | +20 | ppm | See options |
| Temperature Coefficient: | -0.040 | -0.036 | | ppm/T ² | |
| Turn-over temperature: | +20 | +25 | +30 | °C | |
| Equivalent series resistance (R1) | | | 70 | kΩ | |
| Shunt capacitance (C0) | | 0.9 ~ 1.2 | | pF | |
| Load capacitance (CL) | | 12.5 | | pF | See options |
| Drive Level | | 0.1 | 0.5 | μW | |
| Q value | 10000 | 30000 | | | |
| Aging@25°C±3°C | -3 | | 3 | ppm | First year |
| Insulation Resistance | 500 | | | MΩ | @ 100Vdc ± 15V |

OPTIONS AND PART IDENTIFICATION (left blank if standard)



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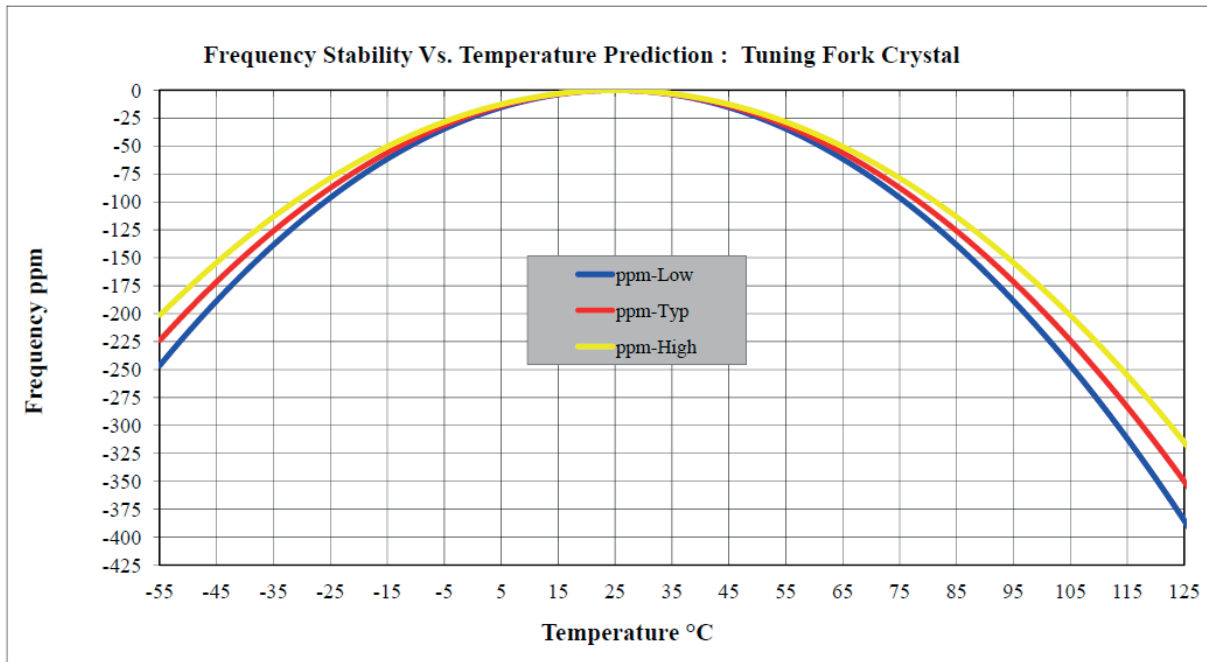
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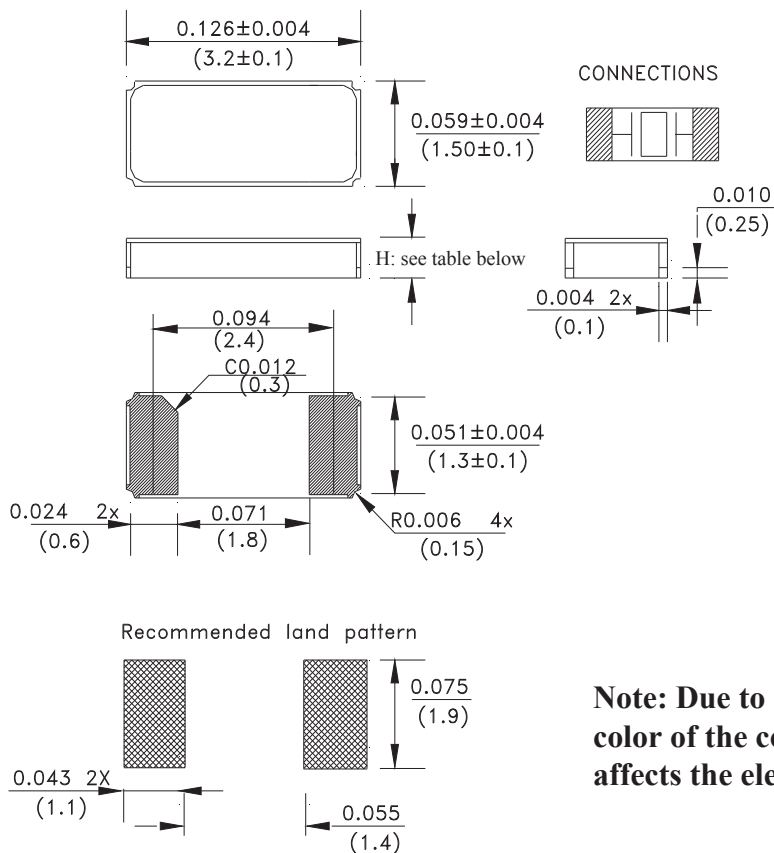
RoHS/RoHS II

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FREQUENCY VS. TEMPERATURE CHARACTERISTICS



OUTLINE DIMENSIONS:



| Part Number | Height (H) |
|-------------|--------------|
| ABS07 | 0.9 mm max. |
| ABS071 | 0.65 mm max. |

Note: Due to material availability, the outline and finish color of the component may vary. This variation in no way affects the electrical performance of the product.

Dimensions: inches (mm)

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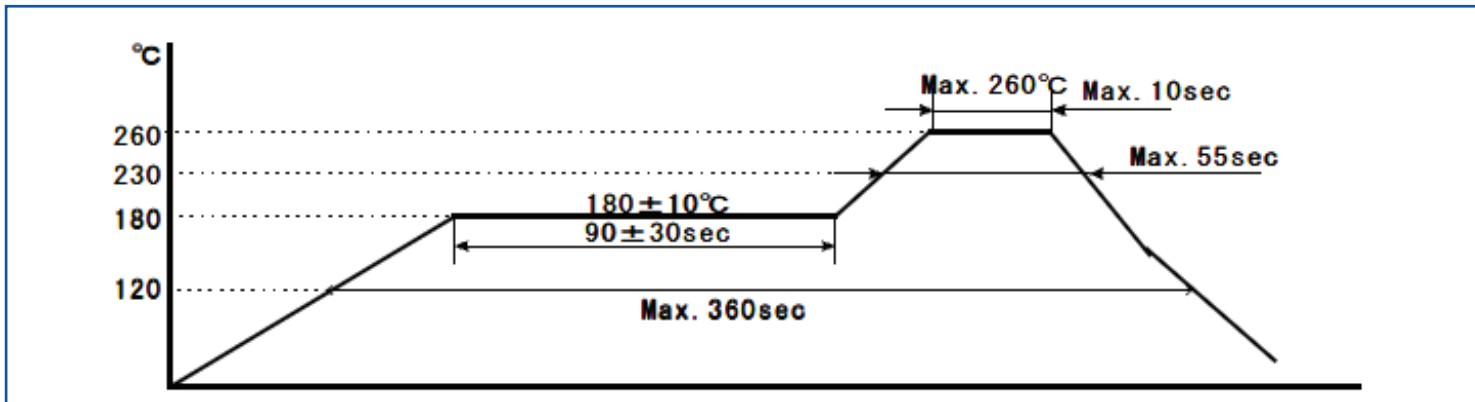
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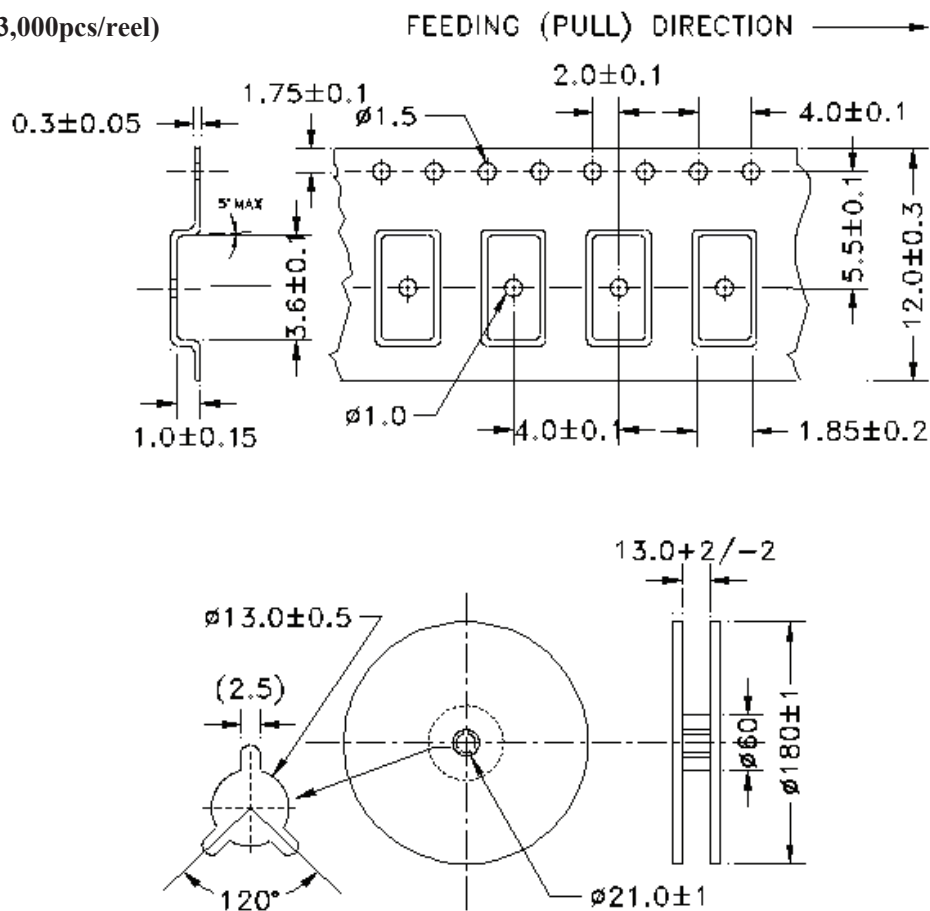
3.2 x 1.5 x 0.9 mm

REFLOW PROFILE



TAPE & REEL

T= Tape and reel (3,000pcs/reel)



Dimensions: mm

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ABRACON IS
ISO9001:2008
CERTIFIED



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