

3.7 x 3.1mm Industrial Grade Built-in Capacitance Ceramic Resonator

AWSCR-CV

Pb in ceramic, exemption (7c-I)

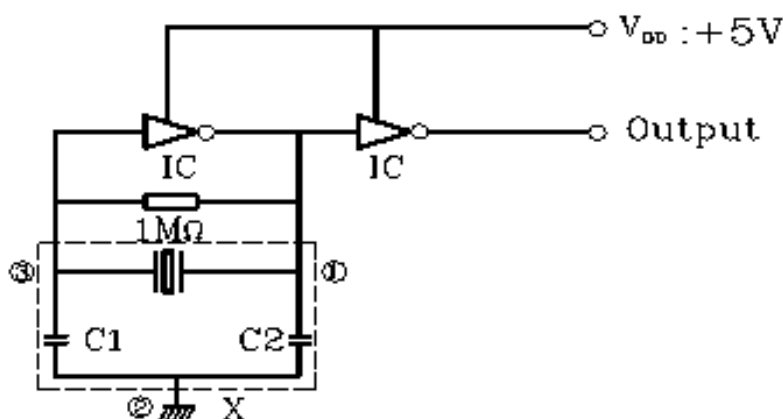
RoHS/RoHS II compliant



3.7 x 3.1 x 1.0mm

TEST CIRCUIT:

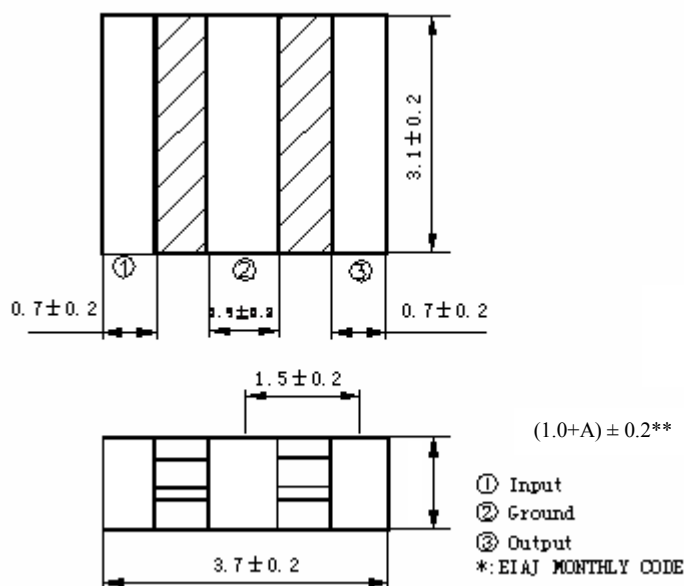
Parts shall be measured under a condition (Temp.: $20 \pm 15^\circ\text{C}$, Humidity: $65 \pm 20\%$ R.H.) unless the standard condition (Temp: $25 \pm 3^\circ\text{C}$, Humidity: $65 \pm 10\%$ R.H.) is regulated to measure



X: Ceramic Resonator

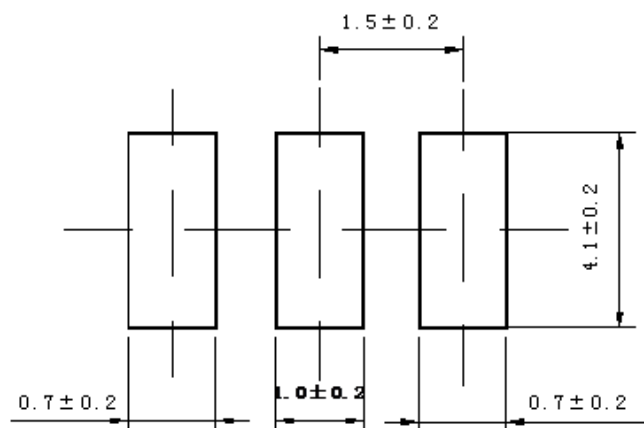
1. Input
2. Ground
3. Output

OUTLINE DRAWING:



** A stands for the thickness of the ceramic element, which varies with the frequency

Recommended Land Pattern



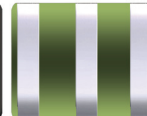
Dimension: mm

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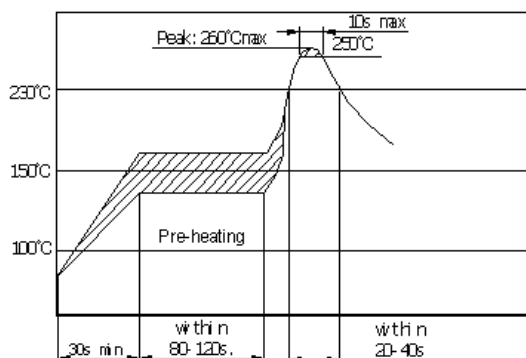
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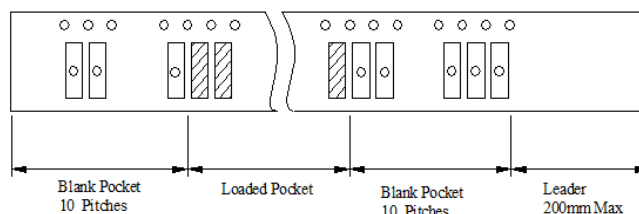
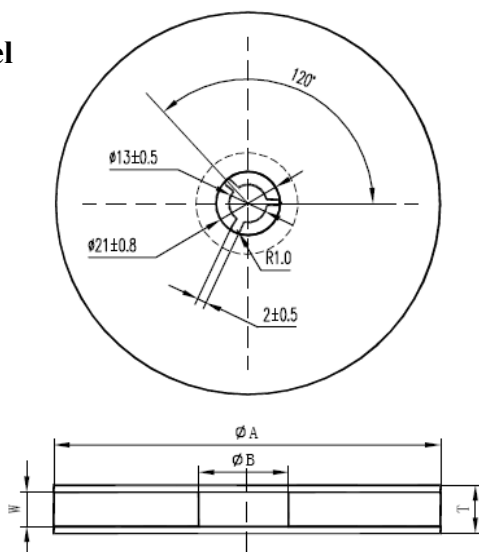
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SUGGESTED REFLOW:



TAPE & REEL:

Packaging:
T: 1000pcs/Reel



Reel Quantity	ΦA	ΦB	W	T	Pieces per reel	Carrier tape size
1000 (T)	180±3	60 min.	12.4 min	19.4 max	1000 typ.	12

Note: upon opening the original packaging, it is recommended that the product be used within 1 year. If the product will not be used within 1 year, it is recommended that the product be re-sealed in airtight packaging according to MSL 1 requirements to maintain solderability.

Dimensions: mm

CAUTION:

- (1) Do not apply excess mechanical stress to the component body or terminations. Do not attempt to re-form or bend the components as this will cause damage to the component.
- (2) This component is not hermetically sealed. Do not clean or wash the component.
- (3) Reflow Soldering: Do not use strong acidity flux, such as flux with chlorine content of greater than 0.2wt% during Reflow Soldering.
- (4) Do not expose the component to open flame.
- (5) This specification applies to the functionality of the component as a single unit.
- (6) Storage Conditions: If the product is to be stored for a period greater than Six Months after the Delivery Date, it is recommended that customers confirm the solderability and characteristics for the product prior to use.
- (7) This product is not recommended for use in the following applications: Automotive, Medical, Military, Safety, or any other high-reliability, life dependant applications. Contact Abracon Corporation prior to using this product when in doubt.