2.5 x 2.0 x 1.2mm BUILT-IN CAPACITANCE CERAMIC RESONATOR



2.5 x 2.0 x 1.2mm

Pb in ceramic

> APPLICATIONS:

Industrial controllers • Consumer electronics

(exempt per RoHS 2002/95/EC Annex (7))

FEATURES:

Low resonant impedance

AWSCR-CW

- Built-in load capacitors
- IR reflow capable

> **STANDARD SPECIFICATIONS**:

Requirement
20.00MHz to 48.00 MHz
See Table 2.1
± 0.5% (at 25℃)
±0.2% (-25℃~+85℃) max*
50 (DC , 1 min)
6 V DC max
15 Vp-p. max
10pF± 20% (20.00 to 25.99 MHz)
5pF± 20% (26.00 to 48.00 MHz)
100MΩ min. (10V, 1min)
-25°C to +85°C*
-55°C to +85°C
±0.2% max. (From initial value)

Table 2.1	
Frequency range (MHz)	Resonant Impedance (Ro)(Ω) max
20.00 MHz - 25.99 MHz	60
26.00 MHz - 35.00 MHz	50
35.01 MHz - 48.00 MHz	50

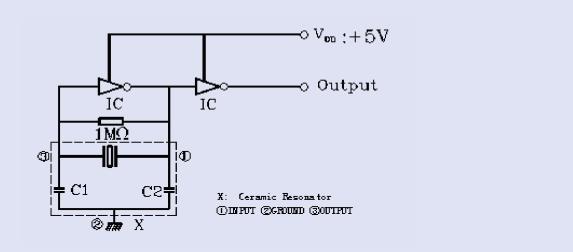
RoHS

Compliant

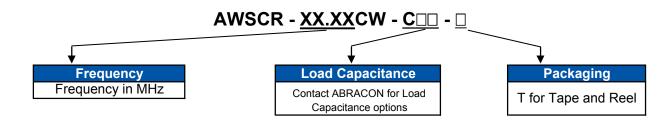
Remote controls, Microprocessor clocks, Mobile

phones, DVD & CD-Roms, Electric appliances,

* Please contact ABRACON for tighter stability and/or wider temperature range



OPTIONS AND PART IDENTIFICATION:





Visit www.abracon.com for Terms & Conditions of Sale **Revised: 09.12.10** 30332 Esperanza, Rancho Santa Margarita, California 92688 tel 949-546-8000 | fax 949-546-8001 | www.abracon.com

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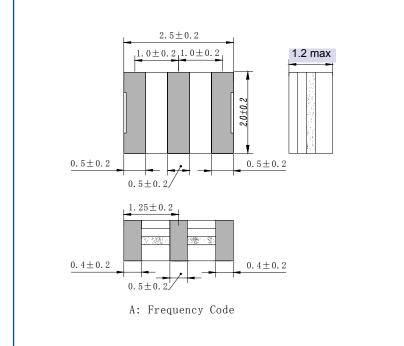
2.5 x 2.0 x 1.2mm

Dimensions: mm

Pb in ceramic (exempt per RoHS 2002/95/EC Annex (7))

▷ OUTLINE DRAWING:

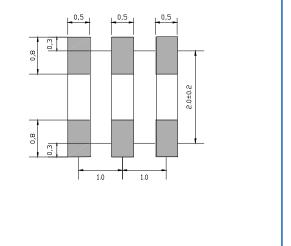
AWSCR-CW



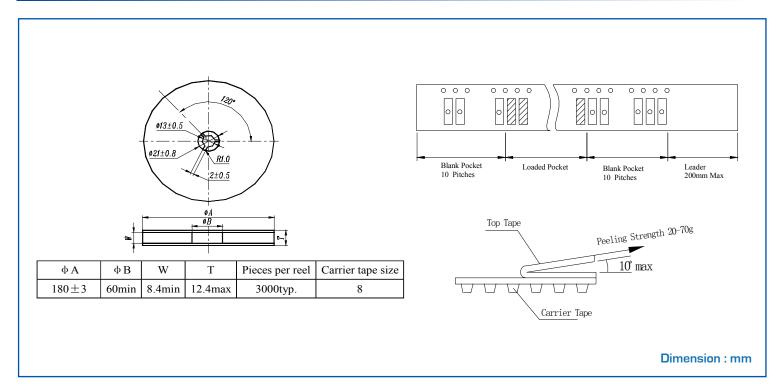
RECOMMENDED LAND PATTERN

RoHS

Compliant



▷ TAPE & REEL:





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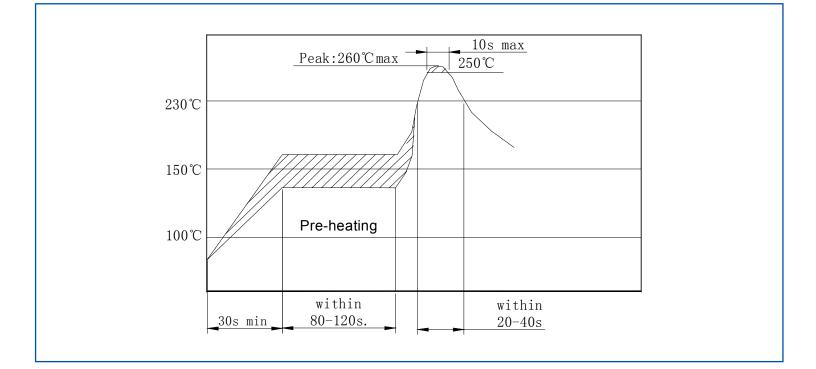
2.5 x 2.0 x 1.2mm

RoHS

Pb in ceramic (exempt per RoHS 2002/95/EC Annex (7)) Compliant

REFLOW PROFILE:

AWSCR-CW



CAUTION

- · 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.
- · This component is not hermetically sealed. Do not clean or wash the component.
- Reflow soldering: Do not use strong acidity flux, such as flux with chlorine content of greater than 0.2wt% during reflow Soldering.
- · Do not expose the component to open flame.
- . This specification applies to the functionality of the component as a single unit. Customers are advised to insure that the component is thoroughly evaluated in the particular application.
- Shelf life: The warranted shelf life of this product is six months after the delivery date under the conditions of sealed, unopened, original packaging.
- 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.
- This product is not recommended for use in the following applications: Automotive, Medical, Military, Safety, or any other high-reliability, life-dependant application. Contact Abracon Corporation prior to using this product when in doubt.

ATTENTION: Abracon Corporation's products are COTS - Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon Corporation is required. Please contact Abracon Corporation for more information.



Dow

