

# LOW PROFILE LEADED CERAMIC RESONATOR

HWZT-RS

RoHS/RoHS II Compliant

Pb in ceramic, exemption (7c-I)

HWZT-RS

5.5 x 3.0 x 5.0mm

## FEATURES:

- Low resonant impedance
- Small size, Light weight.
- Low cost timing solution .

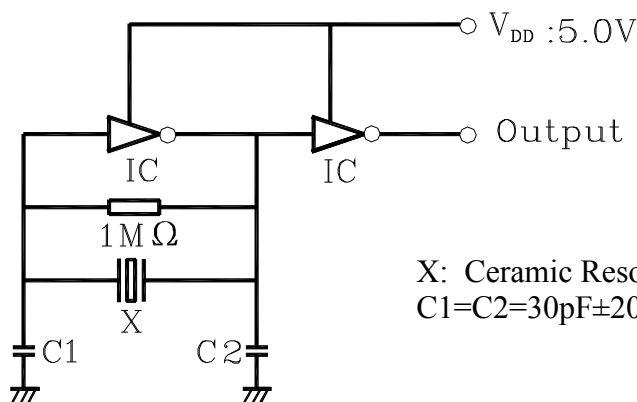
## APPLICATIONS:

- Clock oscillation for microcontrollers
- Telephones
- Household electric appliances

## STANDARD SPECIFICATIONS:

| Parameters              | Minimum      | Typical | Maximum | Units      | Notes              |
|-------------------------|--------------|---------|---------|------------|--------------------|
| Frequency Range         | 6.01         |         | 12.50   | MHz        |                    |
| Resonant Impedance (Ro) |              |         | 25      | $\Omega$   |                    |
| Frequency Tolerance     | -0.5         |         | +0.5    | %          |                    |
| Frequency Stability     | -0.3         |         | +0.3    | %          | -25°C to +85°C     |
| Withstanding Voltage    |              |         | 100     | Vdc        | 5 secs             |
| Rating Voltage          | D.C. Voltage |         | 6       | Vdc        |                    |
|                         | A.C. Voltage |         | 15      | Vp-p.      |                    |
| Load Capacitance        | 24           | 30      | 36      | pF         |                    |
| Insulation Resistance   | 500          |         |         | M $\Omega$ | 10Vdc, 1min        |
| Operation Temperature   | -25          |         | +85     | °C         |                    |
| Storage Temperature     | -40          |         | +85     | °C         |                    |
| Aging Rate (Fosc)       | -0.3         |         | 0.3     | %          | From initial value |

## TEST CONDITION AND TEST CIRCUIT:



X: Ceramic Resonator  
C1=C2=30pF±20%

Parts shall be measured under a condition (Temp.: 20±15°C, Humidity: 65±20% R.H.) unless the standard condition (Temp: 25±3°C, Humidity: 65±10% R.H.) is regulated to measure

## OPTIONS & PART IDENTIFICATION:

HWZT -  RS -

### Frequency

Frequency in MHz

### Packaging

Blank: Bulk

A: AMMO package\*

\*AMMO package  
lead length 13.5mm

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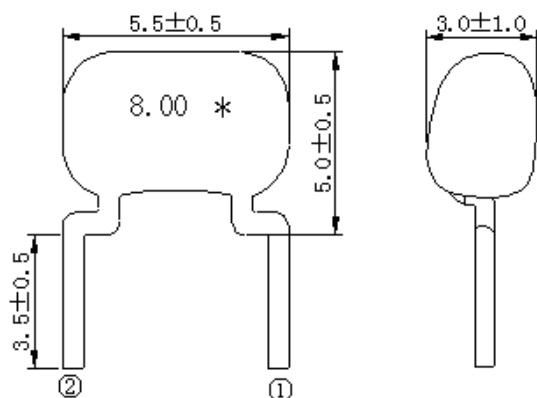
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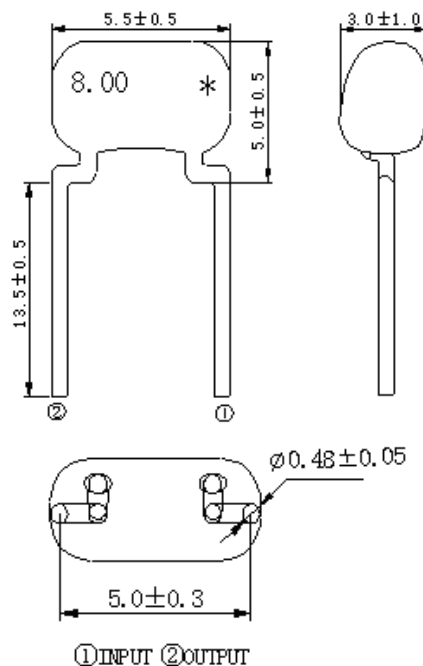
## ➤ OUTLINE DRAWING:

### Bulk Pack



Dimension: mm

### AMMO Pack



### Packaging:

**Bulk:** 500pcs/plastic bag

**AMMO:** 2000pcs/box

**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.

## ➤ 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 1 year 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.

**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.



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<http://moschip.ru/get-element>

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В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

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