3.7 x 3.1 mm SMD CERAMIC RESONATOR

AWSZT-CV

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





3.7 x 3.1 mm

FEATURES:

- Low resonant impedance
- IR reflow capable
- Low cost

> APPLICATIONS:

- Remote controls, Microprocessor clocks, Mobile phones, DVD & CD-Roms, Electric appliances, Industrial controllers
- Consumer electronics

ELECTRICAL CHARACTERISTICS:

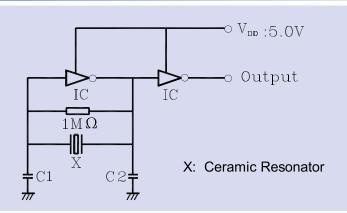
ltem	Requirement
Frequency Range	8.00MHz to 50.00MHz
Resonant Impedance	See Table 2.1
Frequency Tolerance	± 0.5%
Frequency Stability	±0.3% max. (-25°C to +85°C) *
Withstanding Voltage	50V (DC , 1 min)
Rating Voltage	
(1) D.C.Voltage	6 V.D.C. max
(2) A.C. Voltage	15 Vp-p. max
Load Capacitance	See Table 2.1
Insulation Resistance	100MΩ min. (10V, 1min)
Operation Temperature	-25°C to +85°C *
Storage Temperature	-55°C to +85°C
Aging Rate (Fosc)	±0.3% max. (from initial value)

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

Table 2.1

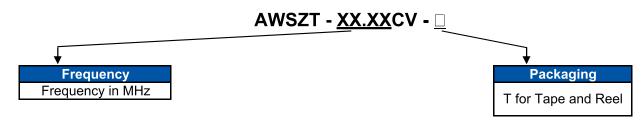
Frequency Range	Resonant Impedance	Standard Load Capacitance
(MHz)	(Ro)(Ω) max	C1=C2 (pF)
8.00 MHz - 13.00 MHz	30 max	30
13.01 MHz - 20.00 MHz	40 max	30
20.01 MHz - 25.99 MHz	40 max	15
26.00 MHz - 50.00 MHz	40 max	5

TEST CONDITION AND TEST CIRCUIT:



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:



ABRACON IS ISO 9001 / QS 9000 **CERTIFIED**



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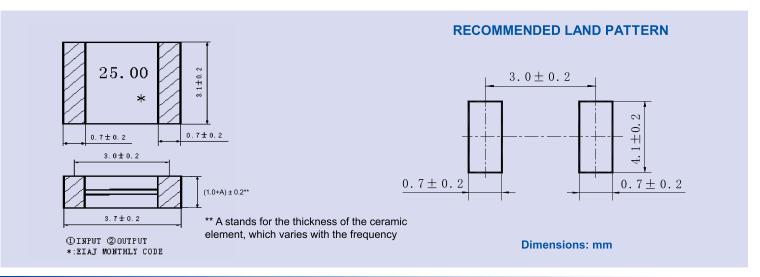
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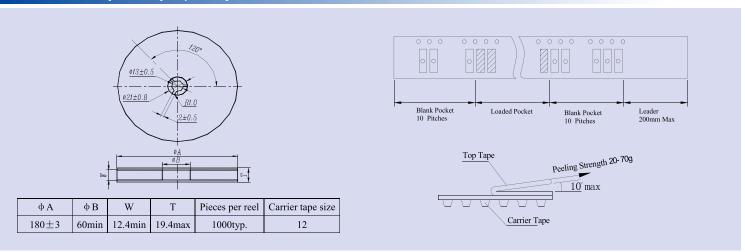


3.7 x 3.1 mm

OUTLINE DRAWING:



TAPE & REEL: (1,000pcs/reel)



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-dependent application. Contact Abracon Corporation prior to using this product when in doubt.



