LEADED CERAMIC RESONATOR



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





> FEATURES:

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

> APPLICATIONS:

- · Clock oscillation for microcontrollers
- Telephones
- Household electric appliances

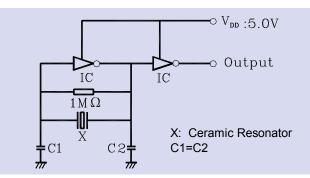
STANDARD SPECIFICATIONS:

Item	Requirement
Frequency Range	2.00MHz to 6.00MHz
	8.01MHz 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	100M Ω min. (DC 10V)
Operation Temperature	-25°C to +85°C
Storage Temperature	-55°C to +85°C
Aging Rate (Fosc)	±0.3% max. (From initial value)

Table 2.1

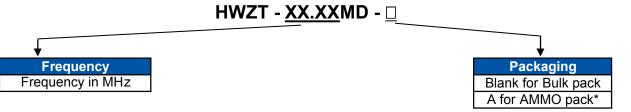
Frequency Range	Resonant Impedance	Load Capacitance
(MHz)	(Ro)(Ω) max	C1=C2 (pF)
2.00 MHz - 2.99 MHz	80	
3.00 MHz - 3.49 MHz	50	
3.50 MHz - 6.00 MHz	30	30pF± 20%
8.01 MHz - 13.00 MHz		
13.01 MHz - 20.00 MHz	30	
20.01 MHz - 25.99 MHz	30	15pF± 20%
26.00 MHz - 50.00 MHz		5pF± 20%

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±2°C, Humidity: 65±5% R.H.) is regulated to measure

> OPTIONS & PART IDENTIFICATION:



AMMO pack lead length 13.5mm





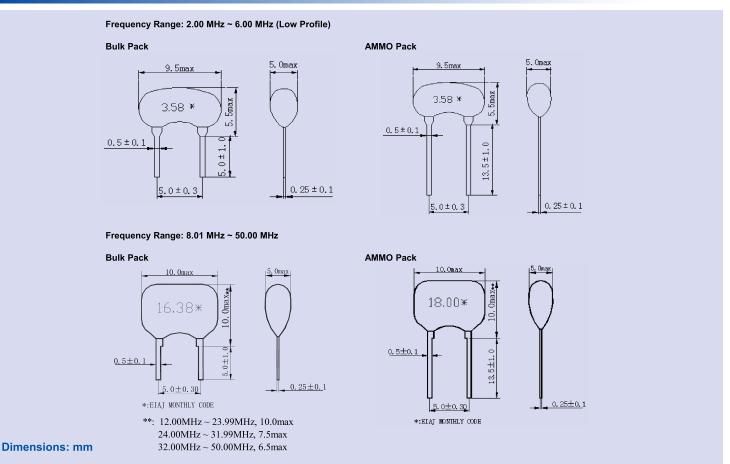
LEADED CERAMIC RESONATOR



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



OUTLINE DRAWING:



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. The customer is advised to insure that the component is thoroughly evaluated in the application circuit.
- 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 the customer confirm the solderability and characteristics for the product prior to use.
- This product is not recommended for use in industrial related Automotive, Medical, Safety, Military, or other high-reliability life dependant applications. Contact Abracon Corporation prior to using this product when in doubt.



