



## ZTB503F58

### Specification of Ceramic Resonator

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## 1 . SCOPE

This specification shall cover the characteristics of the ceramic resonator with 503KHz.

2 . SPECIFICATION           No. : QJ/A64•16•0403

3 . PART                       No. : **ZTB503F58**

## 4 . ELECTRICAL SPECIFICATION

4.1 Oscillation Frequency (Fosc) : 514 ± 2.0KHz

4.2 Band width                       : fa-fr= f 38KHz

4.3 Resonant Impedance(Ro)       : 20Ω max.

4.4 Capacitance (Co)               : 500 PF ± 20%

### 4.5 Temperature Characteristics

of Oscillation Frequency       : ± 0.3% max.(-20 to +80 )

4.6 Rated Voltage                   : 50 V DC max.

4.7 Maximum Input Voltage       : 6 Vp-p

4.8 Insulation Resistance         : 100 MΩ min.

### 5. Environmental Specification :

5.1 Lead Pull                       : 1KG load Terminal Direction Min.

5.2 Vibration                       : 600-3300rpm.1.5mm.x.y& z axes.1H Each Min.

5.3 Shock                           : Random Drop,30cm High Concrete Floor

5.4 Solderability                 : Dipping Terminals Into Molten Solder at  
230 ± 10 At 5 ± 0.5 Sec.

### 5.5 Resistance to

Soldering Heat : Dipping Lead Terminals No Close Than 2mm  
From the Sn 260 ± 10 3 Sec.  
After 1H to Test

5.6 Heat Resistance : Keep In 80 ± 2 Temp 90% Humidity For 100H  
After 1H To Test.

5.7 Operation Temperature : -20 to +80

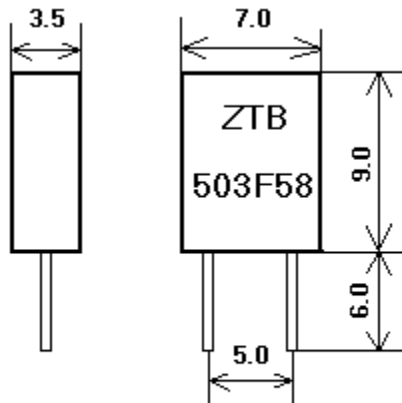
5.8 Storage Temperature : -40 ± 85

5.9 Aging Rate : Fosc ± 0.3% max.



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6. Dimensions: (mm)



7. Test circuit

