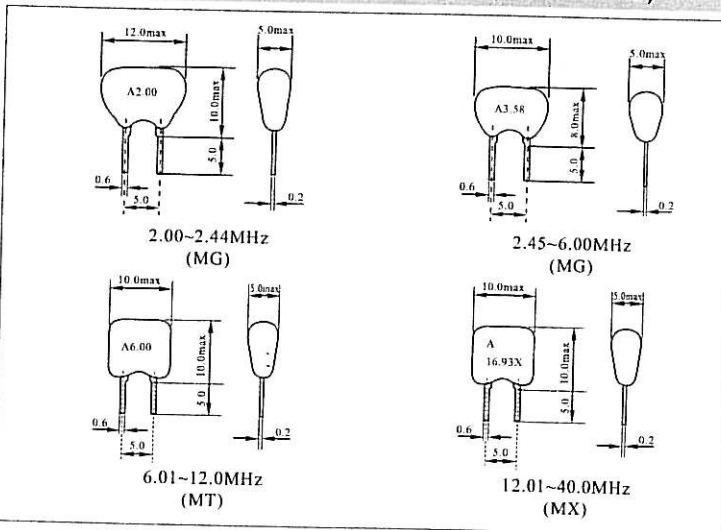
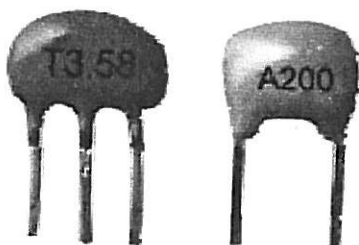


## CERAMIC RESONATOR

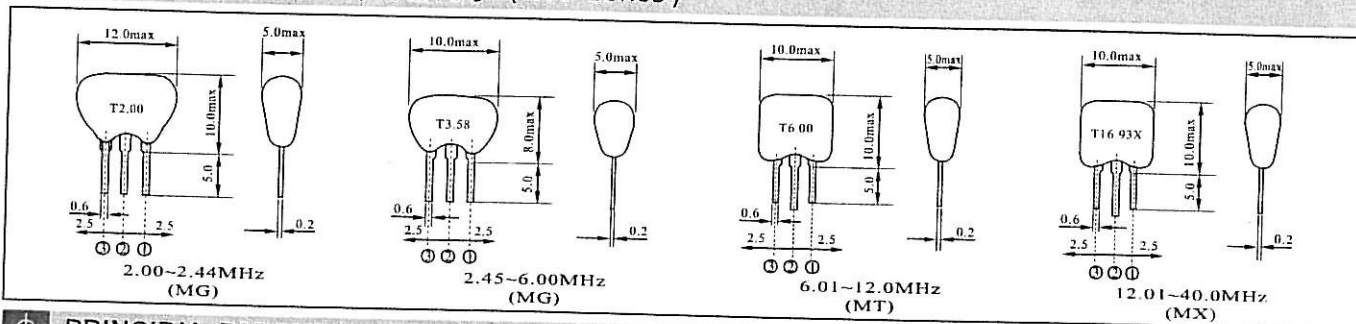
## 陶瓷谐振器

## CRB/ZTT SERIES

## ⊕ DIMENSIONS(Unit:mm)外形尺寸 (ZTA Series)



## ⊕ DIMENSIONS(Unit:mm)外形尺寸 (ZTT Series)

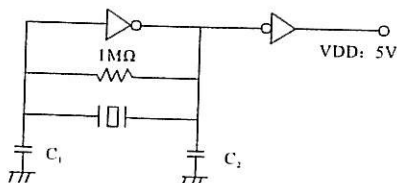


## ⊕ PRINCIPAL PARAMETERS 主要参数

| Model<br>型号 | Frequency Range<br>频率范围<br>(MHz) | Frequency Accuracy<br>频率精度<br>(+25°C) | Temperature Stability<br>温度稳定性<br>(-20°C~+80°C) | Operating Temperature<br>工作温度 | Aging(Ten Years)<br>老化性<br>(10年) |
|-------------|----------------------------------|---------------------------------------|---|-------------------------------|----------------------------------|
| ZTA□□□MG    | 2.00 - 6.00                      | ±0.3%                                 | ±0.3%   | -20°C ~ +80°C                 | ±0.3%                            |
| ZTA□□□MT    | 6.01 - 12.0                      |                                       | ±0.5%   |                               | ±0.5%                            |
| ZTA□□□MX    | 12.01 - 40.0                     |                                       | ±0.3%   |                               | ±0.3%                            |
| ZTT□□□MG    | 2.00 - 6.00                      | ±0.3%                                 | ±0.3%   | -20°C ~ +80°C                 | ±0.3%                            |
| ZTT□□□MT    | 6.01 - 12.0                      |                                       | ±0.5%   |                               | ±0.5%                            |
| ZTT□□□MX    | 12.01 - 40.0                     |                                       | ±0.3%   |                               | ±0.3%                            |

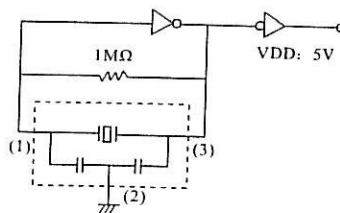
## ⊕ TEST CIRCUIT 测量线路

## 1/6CD4069UBEX2 ZTA Series



|          |               |                        |
|----------|---------------|------------------------|
| ZTA□□□MG | 2.00 - 6.00   | C, C <sub>1</sub> 30pF |
| ZTA□□□MT | 6.01 - 12.00  | C, C <sub>1</sub> 30pF |
| ZTA□□□MX | 12.01 - 19.99 | C, C <sub>1</sub> 15pF |
| ZTA□□□MX | 20.00 - 25.99 | C, C <sub>1</sub> 15pF |
| ZTA□□□MX | 26.00 - 40.00 | C, C <sub>1</sub> 5pF  |

## 1/6CD4069UBEX2 ZTT Series



注: ZTA□□□MX, ZTT□□□MX 系列产品 IC 为 TC4069。

Remark: IC used by resonators ZTA□□□MX and ZTT□□□MX series is TC4069.