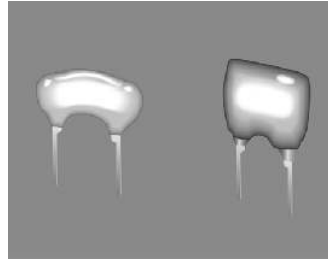


Resonator THT, 2 Pin



ZTA/MG
ZTA/MT
ZTA/MX

Features:

- Low cost
- Consumer electronics
- Microprocessor systems
- Excellent for automotive applications

| Specifications | | | | | | |
|---------------------------------|-----------------------|-------------|---------|--------------|---------------|---------------|
| Part | ZTA/MG | | ZTA/MT | ZTA/MX | ZTA/MX | ZTA/MX |
| | Frequency range (MHz) | 1.80 ~ 6.00 | | 5.00 ~ 13.00 | 13.01 ~ 20.00 | 20.01 ~ 25.99 |
| Frequency accuracy (25°C) | +/-0.5% | | +/-0.5% | +/-0.5% | +/-0.5% | +/-0.5% |
| Temp. stability (-20°C ~ +80°C) | +/-0.3% | | +/-0.3% | +/-0.3% | +/-0.3% | +/-0.3% |
| Aging (over 10 years) | +/-0.3% | | +/-0.3% | +/-0.3% | +/-0.3% | +/-0.3% |
| Load capacitance (pF) | C1 | 30 | 30 | 30 | 15 | 5 |
| | C2 | 30 | 30 | 30 | 15 | 5 |

Drawing

ZTAMG Series

ZTAMT Series

ZTAMX Series

Table 1.

| Frequency Range | Height |
|------------------|-------------|
| 13.01 ~ 23.99MHz | 10.0mm max. |
| 24.00 ~ 31.99MHz | 7.5 mm max. |
| 32.00 ~ 50.00MHz | 6.5 mm max. |

Dimensions in mm

Test circuit

C1 C2 : as listed

IC: 1/6 74HC04 x 2 (MG; MX)

1/6 4069UBP x 2 (MT)

X : Ceramic Resonator

Order key

| Part | Frequency | Type/Package | Frequency tolerance | Temperature tolerance | Temperature range | Load capacitance |
|-------------|----------------|----------------------------|---------------------|-----------------------|-------------------|------------------|
| R | - 20.000000M | - ZTA/MX | - 0.5 | - 0.3 | - H | - 5/5 |
| R=Resonator | K=KHz M=MHz | ZTA/MG ZTA/MT ZTA/MX | +/-% (25°C) | +/-% (Temp. range) | H=-20°C ~ +80°C | pF C1/C2 |

Remarks: All specifications subject to change without notice!