

# Resonator THT Ceramic, 2 Pin



ZTA/MG  
ZTA/MT  
ZTA/MX

### Features:

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

Specifications							
Type	ZTA						
	ZTA/MG	ZTA/MG	ZTA/MG	ZTA/MT	ZTA/MX	ZTA/MX	ZTA/MX
Frequency range (MHz)	1.79 ~ 2.99	3.00 ~ 3.49	3.50 ~ 8.00	8.00 ~ 13.00	13.01 ~ 20.0	20.01 ~ 25.99	26.00 ~ 50.00
Frequency accuracy (25°C)	±0.5%	±0.5%	±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%	±0.3%	±0.3%
Aging (over 10 years)	±0.3%	±0.3%	±0.3%	±0.3%	±0.3%	±0.3%	±0.3%
Load capacitance (pF)	C1	30	30	30	30	30	15
	C2	30	30	30	30	30	15
Resonant Impedance (Ω) max.	80	50	30	25	30	30	30

### 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 74HCU04 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	- 30/30
R=Resonator	M=MHz	ZTA/MG ZTA/MT ZTA/MX	±% (25°C)	±% (Temp. range)	H=-20°C ~ +80°C	pF C1/C2