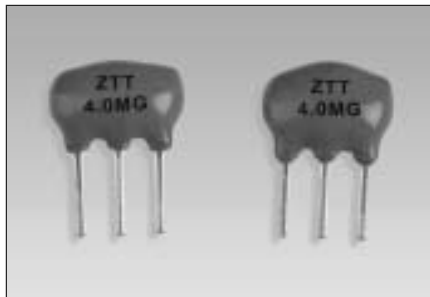




## • ZTT Series



The ZTT series ceramic resonator is the miniature low profile frequency control products with built-in capacitor. It is of very competitive price than quartz crystal parts and of high stability that make it substitute the quartz crystal when need lower price.

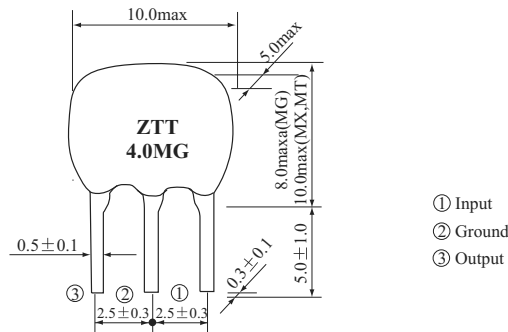
### FEATURES

- Low Cost
- Built-in capacitor
- High Stability
- Wide Frequency Range
- Small Compact Size

## Electrical Specifications

Part Number	ZTT□.□□MG	ZTT□.□□MG	ZTT□.□□MG	ZTT□□.□□MT	ZTT□□.□□MX
Frequency Range (MHz)	1.80 to 2.99	3.00 to 3.49	3.50 to 5.99	6.00 to 12.99	13.00 to 50.00
Frequency Accuracy(at 25°C) (%)	±0.5	±0.5	±0.5	±0.5	±0.5
Stability in Temperature 20°C to +80°C (%)	±0.3	±0.3	±0.3	±0.3	±0.3
Aging For Ten Years(%)	±0.3	±0.3	±0.3	±0.3	±0.3
Resonator Resistance(Ω) Max	80	50	30	25	55
Withstanding Voltate (5 seconds Max.)	100V <sub>DC</sub>	100V <sub>DC</sub>	100V <sub>DC</sub>	100V <sub>DC</sub>	100V <sub>DC</sub>
Insulation Resistance Minimum(at 10V <sub>DC</sub> )	$5 \times 10^8 \Omega$	$5 \times 10^8 \Omega$	$5 \times 10^8 \Omega$	$5 \times 10^8 \Omega$	$5 \times 10^8 \Omega$

## Mechanical Dimensions(mm)



## Test Circuit For MOS IC

