

RESONATOR ZTT

LEADED TYPE
Built-in capacitor



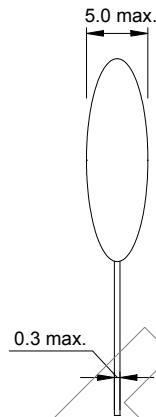
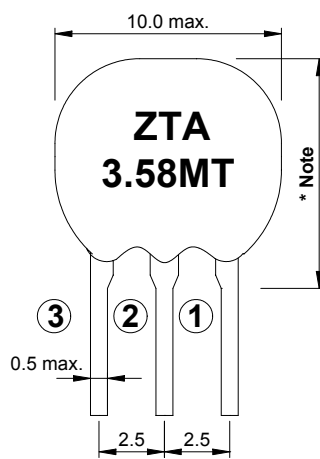
APPLICATIONS

- ▶ Keyboard
- ▶ Micro processor
- ▶ Home appliance
- ▶ Reliability

TECHNICAL CHARACTERISTICS

Part no.	Frequency range (MHz)	Frequency accuracy (@ +25 °C)	Stability in temperature (-20 °C ~ 85 °C)	Operating temperature	Aging (10 Years)
ZTT / MG	1.800 ~ 6.000	±0.5 %	±0.3 %	-20 °C ~ +80 °C	±0.3 %
ZTT / MT	6.100 ~ 13.000	±0.5 %	±0.3 %	-20 °C ~ +80 °C	±0.3 %
ZTT / MX -A	13.100 ~ 23.999	±0.5 %	±0.3 %	-20 °C ~ +80 °C	±0.3 %
ZTT / MX -B	24.000 ~ 31.999	±0.5 %	±0.3 %	-20 °C ~ +80 °C	±0.3 %
ZTT / MX -C	32.000 ~ 60.000	±0.5 %	±0.3 %	-20 °C ~ +80 °C	±0.3 %

DIMENSIONS



* Note

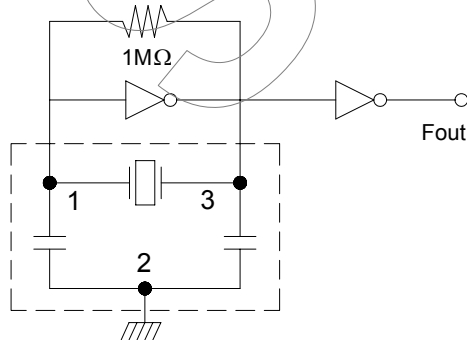
- MG : 10.0m/m max.
- MT : 10.0m/m max.
- MX-A : 10.0m/m max.
- MX-B : 7.5m/m max.
- MX-C : 6.5m/m max.

Pin assignment

- ① : Input
- ② : Ground
- ③ : Output

Specifications subjects to change without notice & If you need other specifications, Contact our factory.

APPLICATION CIRCUIT



- IC : 4069UBP (in case MG type)
- IC : 4069UBP (in case MT type)
- IC : 74HCU04 (in case MX type)
- X : Ceramic resonator
- C_G : Built-in capacitor
- C_D : Built-in capacitor
- V_{DD} : +5Volt