

## ZTT Series MHz-Band Ceramic Resonator

ZTT series MHz-Band ceramic resonators are widely used in telecommunication, cable, radar, TV set, tape recorder, video camera and other electronic products due to its lower price and stable performances.

- High stability of resonant frequency
- Comprises fixed, tuned, solid-state devices
- Miniature and light weight, simple construction
- Excellent shock resistance performance
- Non-adjustment of oscillator is possible



### Specifications:

#### Frequency Range:

<b>ZTT_MG Series:</b>	2.00MHz ~ 6.50MHz
<b>ZTT_MT Series:</b>	6.00MHz ~ 13.00MHz
<b>ZTT_MX Series:</b>	12.10MHz ~ 50.00MHz

**Operating Temperature:** -20°C ~ +80°C Standard

**Storage Temperature:** -40°C ~ +85°C

**Frequency Tolerance(at 25°C):** ± 0.5%

**Frequency Stability(over temp. range):** ± 0.5%

**Aging for 10 Years:** ± 0.3%

**Resonant Resistance:** Maximum resistance corresponds to frequency. Please see RR table.

<b>Loading Capacitance:</b> (Built-in C1, C2)	30pF	2.00MHz ~ 13.00MHz
	30pF	12.10MHz ~ 19.99MHz
	15pF	20.00MHz ~ 25.99MHz
	5pF	26.00MHz ~ 50.00MHz

**Withstanding Voltage:** 100VDC

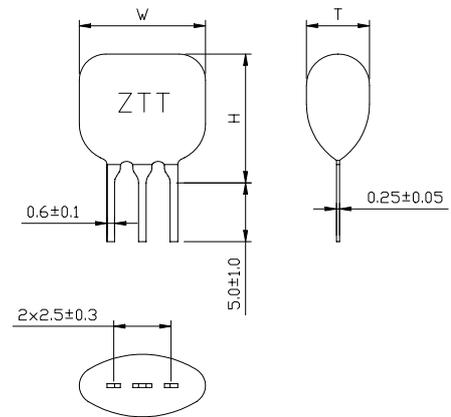
**Insulation Resistance:** 500MΩ min at 10VDC

**Optional Features:** Tape & Reel - A

#### Note:

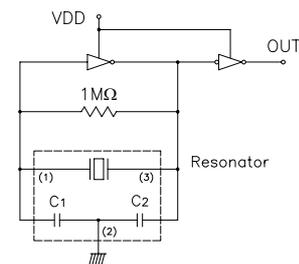
1. Other frequencies, tolerances, stabilities, and operating temperature ranges available. Consult VTC Support for specific requirements.
2. Not all combinations of the above tolerances, stabilities, and temperature ranges are available. Consult VTC Support if your requirement is not standard.
3. All specifications subject to change without notice.

### ZTT Series



P/N	Frequency(MHz)	W	H	T
ZTT_MG	2.00 ~ 3.00	12.0	8.0	4.0
ZTT_MG	3.01 ~ 6.50	10.0	7.0	4.0
ZTT_MT	6.00 ~ 13.00	8.0	8.0	4.0
ZTT_MX	12.10 ~ 50.00	9.0	8.0	4.0

#### TEST CIRCUIT



All dimensions are in mm

### Ordering Information

Product name + Frequency + Other Specification Code.

i.e. ZTT4.00MG or ZTT20.00MX-A (in tape and reel).