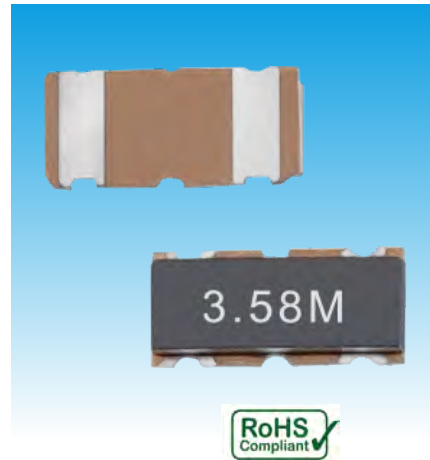


### Features

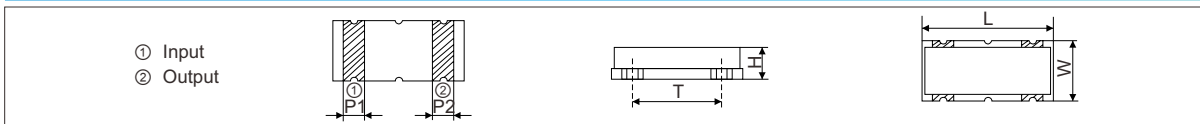
- 2-Pad SMD Package Ceramic Resonator
- Resistant to Shock and Vibration
- Cost-Effective
- Excellent Temperature Stability ( $\pm 0.3\%$ )
- Automatic Mounting and Reflow Soldering
- Applications: Security, Consumer Device, TV, Radio, Receiver, Legacy PCB



### Standard Specifications

| Part Number | Frequency Range (MHz) | Frequency Accuracy (at 25°C) | Frequency Stability | Operating Temperature | Frequency Aging |
|-------------|-----------------------|------------------------------|---------------------|-----------------------|-----------------|
| ZTACC...MG  | 2.0~8.00              | $\pm 0.5\%$                  | $\pm 0.3\%$         | -25~+80°C             | $\pm 0.3\%$     |
| ZTACR...MG  | 4.0~8.00              | $\pm 0.5\%$                  | $\pm 0.3\%$         | -25~+80°C             | $\pm 0.3\%$     |
| ZTACE...MG  | 8.00~12.00            | $\pm 0.5\%$                  | $\pm 0.3\%$         | -25~+80°C             | $\pm 0.3\%$     |
| ZTACS...MT  | 6.00~13.00            | $\pm 0.5\%$                  | $\pm 0.3\%$         | -25~+80°C             | $\pm 0.3\%$     |
| ZTACV...MT  | 8.00~13.00            | $\pm 0.5\%$                  | $\pm 0.3\%$         | -25~+80°C             | $\pm 0.3\%$     |
| ZTACS...MX  | 13.00~60.00           | $\pm 0.5\%$                  | $\pm 0.3\%$         | -25~+80°C             | $\pm 0.3\%$     |
| ZTACV...MX  | 16.00~60.00           | $\pm 0.5\%$                  | $\pm 0.3\%$         | -25~+80°C             | $\pm 0.3\%$     |
| ZTACW...MX  | 20.00~60.00           | $\pm 0.5\%$                  | $\pm 0.3\%$         | -25~+80°C             | $\pm 0.3\%$     |
| ZTACZ...MX  | 24.00~45.00           | $\pm 0.5\%$                  | $\pm 0.3\%$         | -25~+80°C             | $\pm 0.3\%$     |
| ZTACP...MG  | 2.00~12.00            | $\pm 0.5\%$                  | $\pm 0.3\%$         | -25~+80°C             | $\pm 0.3\%$     |

### Dimensions [mm]



| Size Code<br>Part Number | Size [mm] |     |          |     |     |     |
|--------------------------|-----------|-----|----------|-----|-----|-----|
|                          | L         | W   | H        | P1  | P2  | T   |
| ZTACC..MG                | 7.4       | 3.4 | 1.8 Max. | 1.2 | 1.2 | 5.0 |
| ZTACR..MG                | 4.5       | 2.0 | 1.2 Max. | 0.8 | 0.8 | 1.5 |
| ZTACE..MG                | 3.2       | 1.3 | 1.0 Max. | 0.4 | 0.4 | 1.2 |
| ZTACS..MT/MX             | 4.7       | 4.1 | 1.4 Max. | 1.0 | 0.8 | 3.9 |
| ZTACV..MT/MX             | 3.7       | 3.1 | 1.2 Max. | 0.9 | 0.7 | 3.0 |
| ZTACW..MX                | 2.5       | 2.0 | 1.2 Max. | 0.5 | 0.4 | 2.0 |
| ZTACZ..MX                | 2.2       | 1.8 | 1.2 Max. | 0.4 | 0.5 | 1.7 |
| ZTACP..MG                | 6.0       | 3.0 | 1.8 Max. | 1.2 | 1.2 | 5.0 |

Tolerance: 0.2