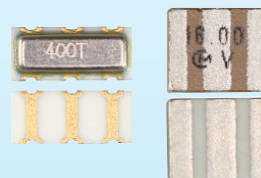


PRODUKT-INFO

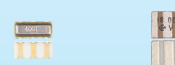
ZTACC/ZTTCC MG • ZTA&ZTTCS/CV MT ZTA&ZTTCS/CV MX SMD RESONATOR SERIES

FEATURES

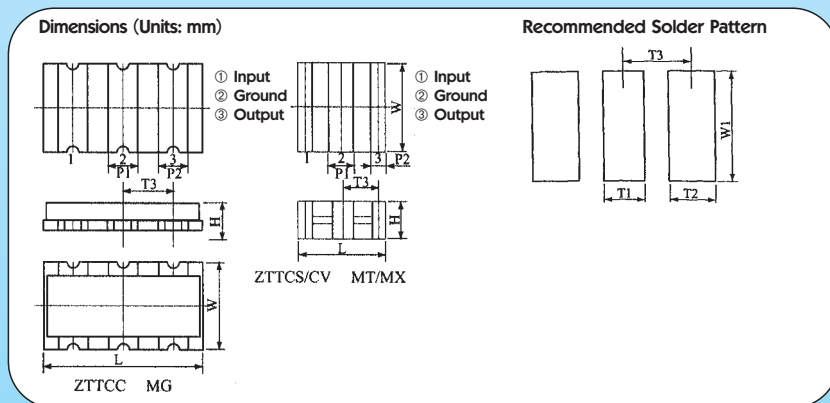
1. The Chip ceramic resonator is the miniature high profile frequency control products of Surface mount package.
2. Low Cost.
3. High Stability.
4. Low Profile.
5. Surface Mount.



Actual Size



| ELECTRICAL SPECIFICATIONS | | | |
|-------------------------------------------------------|-----------------------|-----------------------|-----------------------|
| Model | ZTACC / ZTTCC MG | ZTA&ZTTCS/CV MT | ZTA&ZTTCS/CV MX |
| Frequency Range | 2.00 to 16.00 MHz | 7.00 to 12.99 MHz | 13.00 to 50.00 MHz |
| Frequency Accuracy (at 25°C) (%) | ±0.5 | ±0.5 | ±0.5 |
| Stability in Temperature 20°C to +80°C (%) | ±0.3 | ±0.4 | ±0.4 |
| Aging for 10 years (%) | ±0.3 | ±0.3 | ±0.3 |
| Resonator Resistance (Ω) Max. | 80 | 30 | 25 |
| Withstanding Voltage (5 sec. max.) | 100V _{DC} | 100V _{DC} | 100V _{DC} |
| Insulation Resistance Minimum (at 10V _{DC}) | 5 x 10 ⁸ Ω | 5 x 10 ⁸ Ω | 5 x 10 ⁸ Ω |



| MODEL | DIMENSIONS | | | | | | | | |
|-------------|------------|---------|---------|---------|---------|---------|---------|----------|---------|
| | L | W | H | P1 | P2 | T1 | T2 | T3 | W1 |
| ZTCC MG | 7.4±0.3 | 3.4±0.3 | 1.8±0.3 | 1.2±0.3 | 1.2±0.3 | 1.5±0.3 | 1.7±0.3 | 2.5±0.3 | 3.0±0.3 |
| ZTTCS MT/MX | 4.7±0.2 | 4.1±0.2 | 1.6±0.3 | 1.0±0.4 | 0.8±0.4 | 1.3±0.2 | 0.8±0.2 | 1.95±0.2 | 5.1±0.2 |
| ZTTCV MT/MX | 3.7±0.2 | 3.1±0.2 | 1.2±0.3 | 0.9±0.3 | 0.7±0.3 | 1.0±0.2 | 0.7±0.2 | 1.5±0.2 | 4.1±0.2 |

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