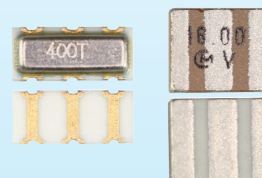


# PRODUKT-INFO

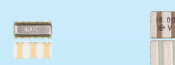
## ZTACC/ZTTCC MG • ZTA&ZTTCS/CV MT ZTA&ZTTCS/CV MX • ZTA&ZTTCS/CW MX SMD RESONATOR SERIES

### FEATURES

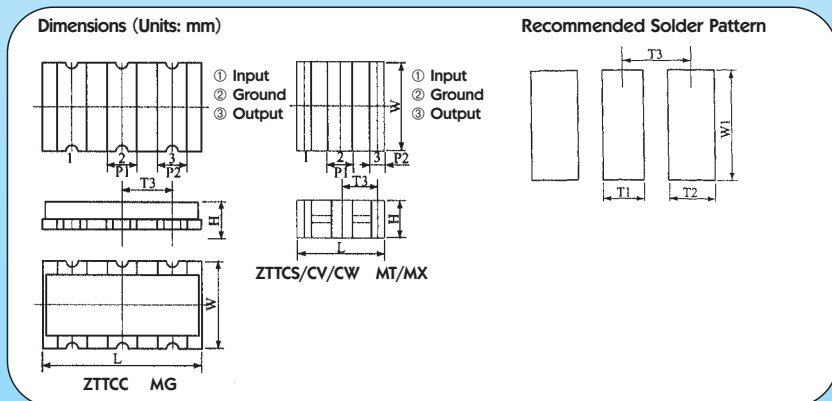
1. The Chip ceramic resonator is the miniature high profile frequency control products of Surface mount package.
2. Low Cost.
3. High Stability.
4. Low Profile.
5. Surface Mount.



Actual Size



ELECTRICAL SPECIFICATIONS				
Model	ZTACC / ZTTCC MG	ZTA&ZTTCS/CV MT	ZTA&ZTTCS/CV MX	ZTA&ZTTCS/CW MX
Frequency Range	2.0 ~ 6.99 MHz	7.0 ~ 12.99 MHz	13.0 ~ 50.0 MHz	20.0 ~ 50.0 MHz
Frequency Accuracy (at +25°C) (%)	±0.5	±0.5	±0.5	±0.5
Stability in Temperature -20°C to +80°C (%)	±0.3	±0.4	±0.4	±0.3
Aging for 10 years (%)	±0.3	±0.3	±0.3	±0.3
Resonator Resistance (Ω) max.	80	30	25	35
Withstanding Voltage (5 sec. max.)	100 V <sub>DC</sub>	100 V <sub>DC</sub>	100 V <sub>DC</sub>	100 V <sub>DC</sub>
Insulation Resistance Minimum (at 10V <sub>DC</sub> )	5 × 10 <sup>8</sup> Ω	5 × 10 <sup>8</sup> Ω	5 × 10 <sup>8</sup> Ω	5 × 10 <sup>8</sup> Ω



DIMENSIONS (UNITS: mm)									
Part Number	L	W	H	P1	P2	T1	T2	T3	W1
ZTACC, ZTTCC 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
ZTACS, 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
ZTACV, 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
ZTACW, ZTTCW MT/MX	2.5±0.2	2.0±0.2	1.5 max.	0.4±0.2	0.4±0.2	0.5±0.2	0.5±0.2	1.0±0.2	2.6±0.2

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