

FEATURES

- Chip Type SMD package
- Wide frequency range
- Tape & Reel package (1,000 pcs. per reel)

CERAMIC RESONATOR

The ZTTC Chip type SMD ceramic resonator is an excellent low cost frequency control solution when absolute frequency accuracy is not important.

PART NUMBERING GUIDE "EXAMPLE"

PART NUMBER	FREQUENCY
ZTTC5	10.000 MHz

OPERATING CONDITIONS/ELECTRICAL CHARACTERISTICS

PART NUMBER*	FREQUENCY RANGE (MHz)	FREQUENCY TOLERANCE (%)	RESONANT RESISTANCE (Ω)	TEMPERATURE CHARACTERISTICS OF OSCILLATION FREQUENCY (%)	AGING RATE (%)
ZTTC5□□□□MT	8.00 ~ 13.00	± 0.5	25	± 0.3	± 0.5
ZTTC5□□□□MX	13.01 ~ 50.00	± 0.5	40	± 0.3	± 0.5
ZTTCV□□□□MT	8.00 ~ 12.00	± 0.5	25	± 0.3	± 0.5
ZTTCV□□□□MX	16.01 ~ 50.00	± 0.5	± 40	± 0.3	± 0.5

* Withstanding voltage (5 seconds max.): 100V DV

* Insulation resistance: 5 %10 Ω max. (at 10V DV)

* $C_1 = C_2$: 30pF $\pm 20\%$ (6.01~20.000MHz); 15pF $\pm 20\%$ (20.01~25.000MHz); 5pF $\pm 20\%$ (26.00~50.000MHz)

* For other frequencies or specifications, please consult with our sales representatives for details.

PACKAGE DIMENSIONS (mm)

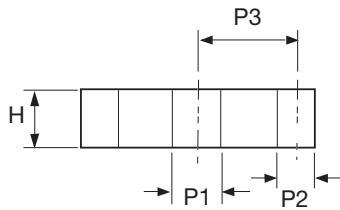
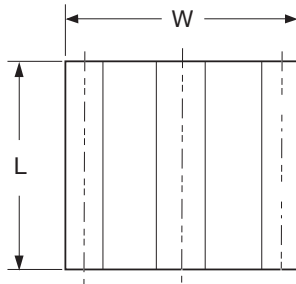


Figure 1) Top & Side views

CASE	DIMENSIONS (mm)					
	L	W	H	P ₁	P ₂	P ₃
ZTTC5	4.7 ± 0.2	4.1 ± 0.2	1.6 ± 0.3	1.0 ± 0.4	0.8 ± 0.4	1.85 ± 0.2
ZTTCV	3.7 ± 0.2	3.01 ± 0.2	1.2 ± 0.3	0.9 ± 0.3	0.7 ± 0.3	1.5 ± 0.2