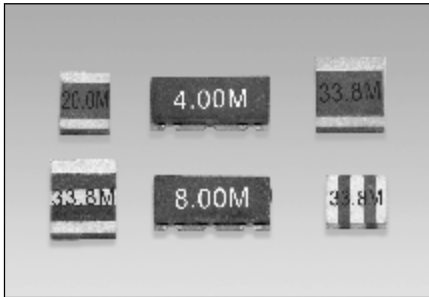


• ZTACC,CS,CV,CW&ZTTCC,CS,CV,CW Series



The Chip ceramic resonator is the miniature high profile frequency control products of Surface mount package

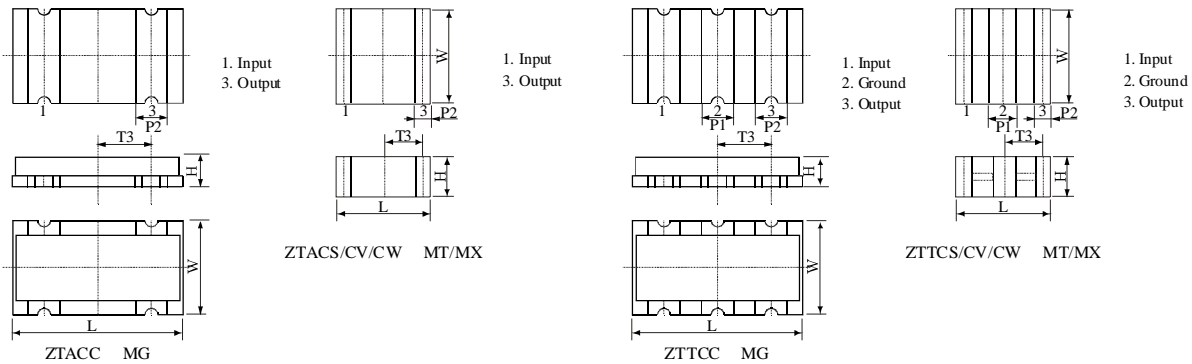
FEATURES

- Low Cost
- High Stability
- Low Profile
- Surface Mount

Electrical Specifications

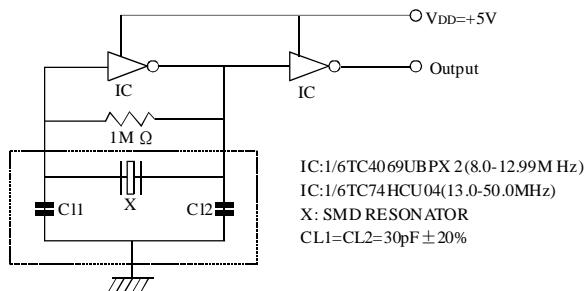
Part Number	ZTACC/ZTTCC□MG	ZTA&ZTTCS/CV□MT	ZTA&ZTTCS/CV□MX	ZTA&ZTTCW□MX
Frequency Range (MHz)	2.00 to 6.99	7.00 to 12.99	13.00 to 50.00	20.00 to 50.00
Frequency Accuracy(at 25°C) (%)	±0.5	±0.5	±0.5	±0.5
Stability in Temperature -20°C to +80°C (%)	±0.3	±0.4	±0.4	±0.3
Aging For Ten Years(%)	±0.3	±0.3	±0.3	±0.3
Resonator Resistance(Ω) Max	80	30	35	35
Withstanding Voltage (5 seconds Max.)	100V _{DC}	100V _{DC}	100V _{DC}	100V _{DC}
Insulation Resistance Minimum(at 10V _{DC})	$5 \times 10^8 \Omega$	$5 \times 10^8 \Omega$	$5 \times 10^8 \Omega$	$5 \times 10^8 \Omega$

Mechanical Dimensions(mm)

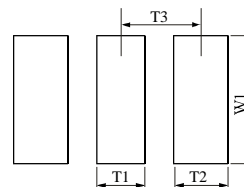


Part number	Dimensions								
	L	W	H	P1	P2	T1	T2	T3	W1
ZTACC,ZTTCC□MG	7.4 ± 0.3	3.4 ± 0.3	1.8 ± 0.3	1.2 ± 0.3	1.2 ± 0.3	1.5 ± 0.3	1.7 ± 0.3	2.5 ± 0.3	3.0 ± 0.3
ZTACS,ZTTCS□MT/MX	4.7 ± 0.2	4.1 ± 0.2	1.6 ± 0.3	1.0 ± 0.4	0.8 ± 0.4	1.3 ± 0.2	0.8 ± 0.2	1.95 ± 0.2	5.1 ± 0.2
ZTACV,ZTTCV□MT/MX	3.7 ± 0.2	3.1 ± 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	1.5Max	0.4 ± 0.2	0.4 ± 0.2	0.5 ± 0.2	0.5 ± 0.2	1.0 ± 0.2	2.6 ± 0.2

Test Circuit For MOS IC



Recommended Solder Pattern



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Specifications are subject to change without notice