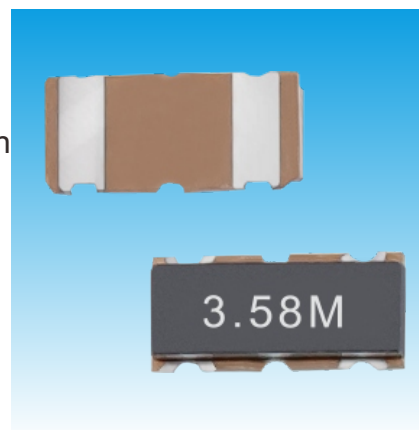


Features

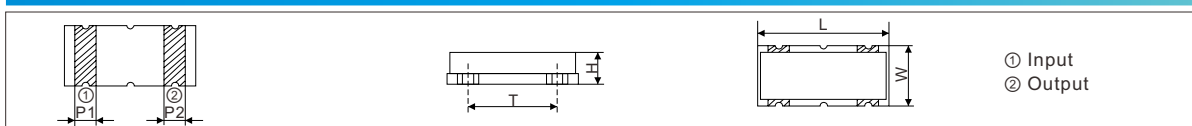
- Surface mount package ceramic resonator
- Resistant to damage from impact and vibration
- Low cost
- Excellent temperature stability ($\pm 0.3\%$)
- Automatic mounting and reflow soldering
- Applications: Security, Consumer device, TV, Radio, Receiver, etc.



Standard Specification

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

Dimensions [mm]



Part Number	Size (mm)					
	L	W	H	P1	P2	T
ZTACC..MG	7.4 \pm 0.2	3.4 \pm 0.2	1.8 \pm 0.2	1.2 \pm 0.2	1.2 \pm 0.2	5.0 \pm 0.2
ZTACR..MG	4.5 \pm 0.2	2.0 \pm 0.2	1.2 Max.	0.8 \pm 0.2	0.8 \pm 0.2	1.5 \pm 0.2
ZTACE..MG	3.2 \pm 0.2	1.3 \pm 0.2	1.0 Max.	0.4 \pm 0.2	0.4 \pm 0.2	1.2 \pm 0.2
ZTACS..MT/MX	4.7 \pm 0.2	4.1 \pm 0.2	(1.2+A) \pm 0.2	1.0 \pm 0.2	0.8 \pm 0.2	3.9 \pm 0.2
ZTACV..MT/MX	3.7 \pm 0.2	3.1 \pm 0.2	(1.0+A) \pm 0.2	0.9 \pm 0.2	0.7 \pm 0.2	3.0 \pm 0.2
ZTACW..MX	2.5 \pm 0.2	2.0 \pm 0.2	1.2 Max.	0.5 \pm 0.2	0.4 \pm 0.2	2.0 \pm 0.2
ZTACZ..MX	2.2 \pm 0.2	1.8 \pm 0.2	1.2 Max.	0.4 \pm 0.2	0.5 \pm 0.2	1.7 \pm 0.2
ZTACP..MG	6.0 \pm 0.2	3.0 \pm 0.2	1.8 \pm 0.2 1.5 \pm 0.2 1.7 \pm 0.2	1.2 \pm 0.2	1.2 \pm 0.2	5.0 \pm 0.2

Note: A stands for thickness of the ceramic element, which varies with the frequency. The range of the thickness difference is 0.1 to 0.7mm
No middle terminal for ZTA series