SCOPE

This specification relates to piezoelectric ceramic resonator to be used in a clock generating circuit for microprocessors.

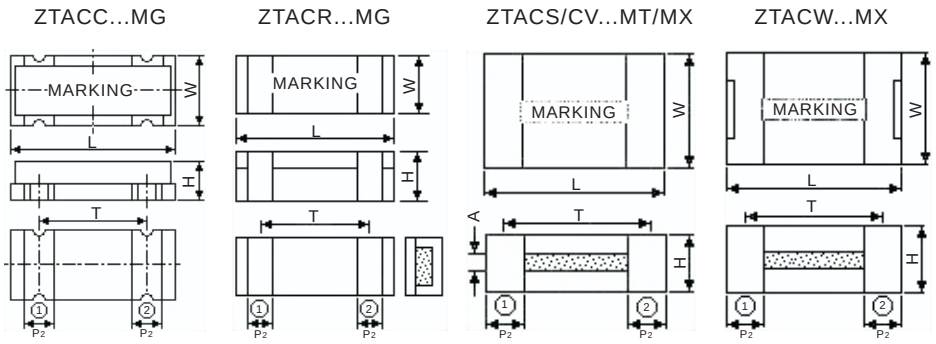
TECHNICAL CHARACTERISTICS FOR DIP TYPE

Part Number	Frequency Range(MHz)	Frequency Accuracy (25℃)	Stability in Temperature (-20~+80℃)	Operating Temperature (℃)	Aging for Ten Years
ZTA...MG	2.00~6.00	±0.5%	±0.3%	-20~+80	±0.3%
ZTA...MT	6.01~13.00	±0.5%	±0.3%	-20~+80	±0.3%
ZTA...MX	13.01~50.00	±0.5%	±0.3%	-20~+80	±0.3%

TECHNICAL CHARACTERISTICS FOR CHIP TYPE

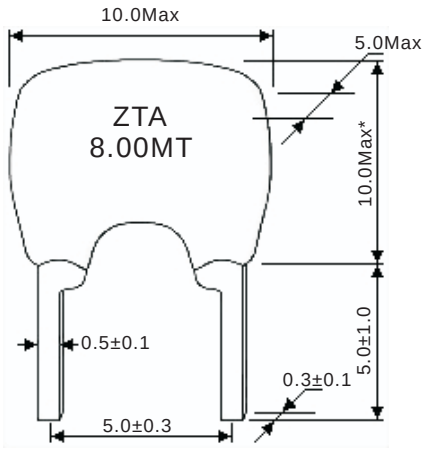
Part Number	Frequency Range(MHz)	Frequency Accuracy (25℃)	Stability in Temperature (-20~+80℃)	Operating Temperature (℃)	Aging for Ten Years
ZTACC...MG	2.00~8.00	±0.5%	±0.3%	-20~+80	±0.3%
ZTACR...MG	4.00~8.00	±0.5%	±0.3%	-20~+80	±0.3%
ZTACS...MT	6.00~8.00	±0.5%	±0.4%	-20~+80	±0.3%
ZTACV...MT	8.00~13.00	±0.5%	±0.4%	-20~+80	±0.3%
ZTACS...MX	13.01~60.00	±0.5%	±0.3%	-20~+80	±0.3%
ZTACV...MX	16.00~60.00	±0.5%	±0.3%	-20~+80	±0.3%
ZTACW...MX	20.00~60.00	±0.5%	±0.3%	-20~+80	±0.3%

DIMENSIONS AND TEST CIRCUIT FOR MOISIC



① Input ② Output

Note: A stands for thickness of the ceramic element, which varies with the frequency.
The range of the thickness is 0.1 to 0.7mm.



*MG:7.5Max
MT:10.0Max
MX:32.00~60.00MHz,6.5Max
24.00~31.99MHz,7.5Max
12.00~23.99MHz,10.0Max

Code / Part Number	Dimensions(mm)				
	L	W	H	P_2	T
ZTACC...MG	7.4±0.2	3.4±0.2	1.8±0.2	1.2±0.2	5.0±0.2
ZTACR...MG	4.5±0.2	2.0±0.2	1.2Max	0.8±0.2	3.0±0.2
ZTACS...MT/MX	4.7±0.2	4.1±0.2	(1.2+A)±0.2	0.8±0.2	3.9±0.2
ZTACV...MT/MX	3.7±0.2	3.1±0.2	(1.0+A)±0.2	0.7±0.2	3.0±0.2
ZTACW...MX	2.5±0.2	2.0±0.2	1.5Max	0.4±0.2	2.0±0.2