

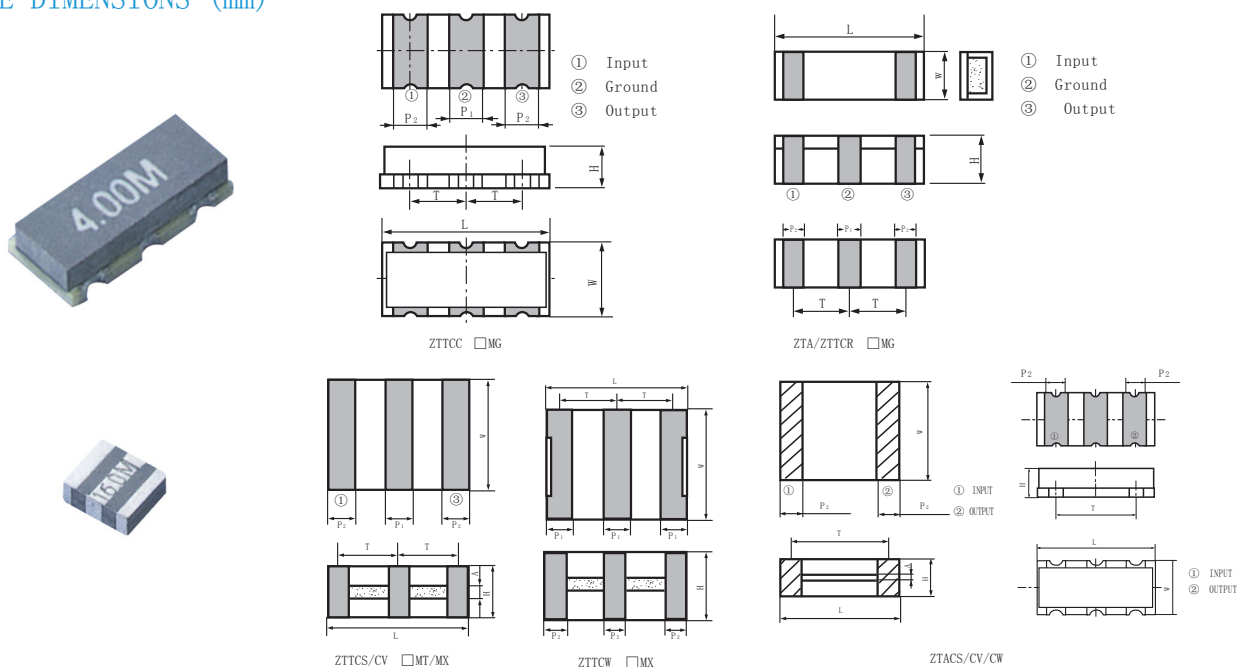


ZTA/ZTT SERIES OF CERAMIC RESONATOR (SMD TYPE)

TECHNICAL CHARACTERISTICS

Part Number	Frequency Range (MHz)	Frequency Accuracy (25℃)	Frequency Stability	Operating Temperature	Aging For Ten Years
ZTACC□MG ZTTCC□MG	1.79~8.00	±0.5%	±0.3%	-20~+80℃	±0.3%
ZTACR□MG ZTTCR□MG	4.00~8.00	±0.5%	±0.3%	-20~+80℃	±0.3%
ZTA/ZTTCS□MT ZTA/ZTTCV□MT	6.00~13.00 8.00~13.00	±0.5%	±0.3%	-20~+80℃	±0.3%
ZTACS□MX ZTTCS□MX	13.01~60.00	±0.5%	±0.4%	-20~+80℃	±0.3%
ZTACV□MX ZTTCV□MX	16.00~60.00	±0.5%	±0.3%	-20~+80℃	±0.3%
ZTACW□MX ZTTCW□MX	20.00~60.00	±0.5%	±0.3%	-20~+80℃	±0.3%

OUTLINE DIMENSIONS (mm)



Part Number	Code	Dimensions (mm)				
		L	W	H	P1	P2
ZTACC□MG ZTTCC□MG		7.4±0.2	3.4±0.2	1.8±0.2	1.2±0.2	1.2±0.2
ZTACR□MG ZTTCR□MG		4.5±0.2	2.0±0.2	1.2max	0.8±0.2	0.8±0.2
ZTACS□MT/MX ZTTCS□MT/MX		4.7±0.2	4.1±0.2	(1.2+A)±0.2	1.0±0.2	0.8±0.2
ZTACV□MT/MX ZTTCV□MT/MX		3.7±0.2	3.1±0.2	(1.2+A)±0.2	0.9±0.2	0.7±0.2
ZTACW□MX ZTTCW□MX		2.5±0.2	2.0±0.2	1.5max	0.5±0.2	0.4±0.2

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.No middle terminal for ZTA series