

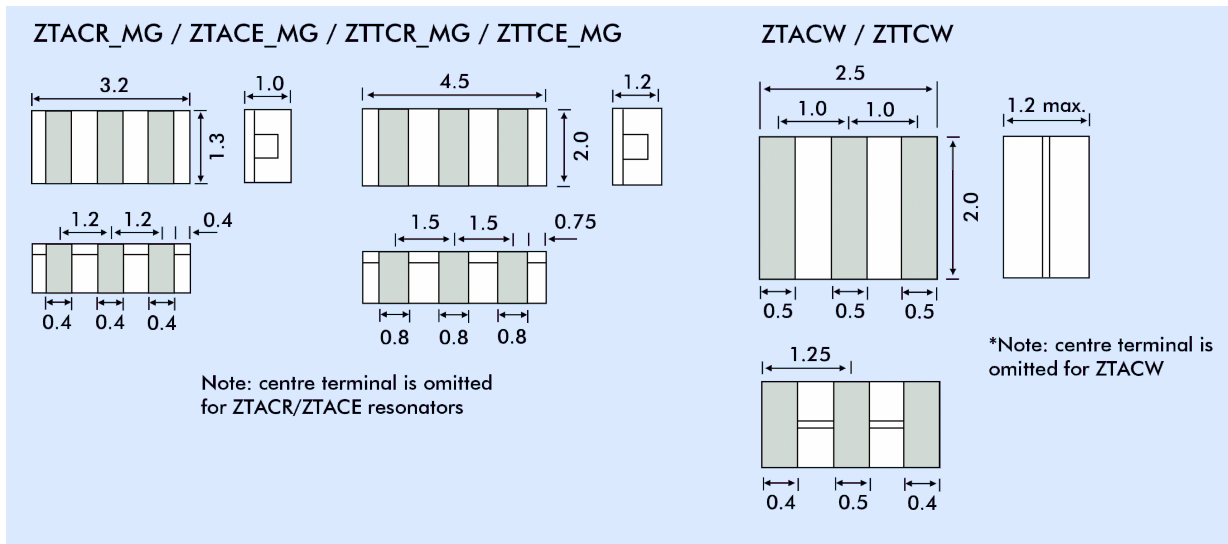
Ceramic Resonators MHz range:

SMD-type without built-in capacitors:
ZTACR, ZTACE, ZTACW

SMD-type with built-in capacitors:
ZTTCW, ZTTCE, ZTTTCR



OUTLINES & DIMENSIONS



ELECTRICAL SPECIFICATION OF ZTACR / ZTTCR*

Part Number	Frequency Range (MHz)	Frequency Tolerance (%)	Temperature Stability (%)	Operating Temperature Range (°C)	Ageing Rate (10 years,%)
ZTACR_MG / ZTTCR_MG	4.00 ~ 8.00	0.5	±0.3	-25 ~ +85	±0.5

ELECTRICAL SPECIFICATION OF ZTACE, ZTTCW*

Part Number	Frequency Range (MHz)	Frequency Tolerance (%)	Temperature Stability (%)	Operating Temperature Range (°C)	Ageing Rate (10 years,%)
ZTACE_MG / ZTTCW_MG	8.00 ~ 12.00	±0.5	±0.3	-25 ~ +85	±0.5

ELECTRICAL SPECIFICATION OF ZTACW, ZTTTCR*

Part Number	Frequency Range (MHz)	Frequency Tolerance (%)	Temperature Stability (%)	Operating Temperature Range (°C)	Ageing Rate (10 years,%)
ZTACW_MX / ZTTTCR_MX	20.00 ~ 60.00	±0.5	±0.3	-25 ~ +85	±0.5

* Other frequencies and specifications are available upon request.
 For typical and available built in capacitance values consult out technical sales.
 Withstanding voltage: 100VDC (5 seconds max.)
 Insulation resistance: 5x10⁸Ω min. (100VDC).