



Leaded Ceramic Resonator
2 and 3 Lead Package, 5.5 mm x 10 mm

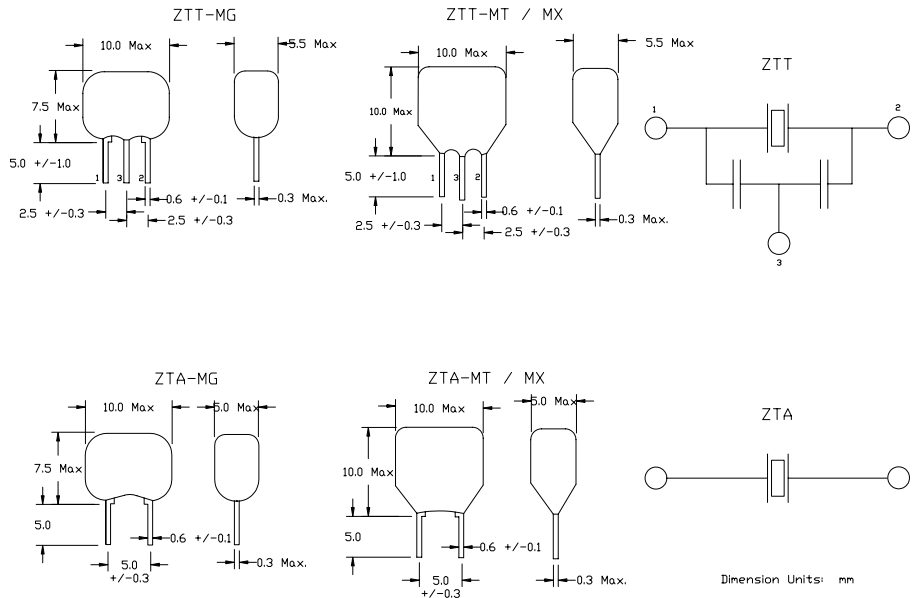
ZTA and ZTT Series

Frequency Range (MHz)	1.8 MHz to 50 MHz
Equivalent Series Resistance (Ω)	See Table
Frequency Tolerance	$\pm 0.5\%$
Frequency Stability over Temperature	$\pm 0.3\%$
Aging	$\pm 0.3\%$ Max. for 10 Years
Temperature	
Operating	-20° C to +80° C Standard
Storage	-40° C to +85° C Standard
Environmental	See Appendix B for information
Package Information	* MSL = 2, Termination = e1

* The terminations of the ZTA and ZTT series ceramic resonators are Pb free. Pb is contained in the ceramic resonator element of this device and is exempted via item 7 of the RoHS annex. This ceramic resonator series is considered RoHS compliant.

Part	Freq. (MHz)	ESR (Ω Max.)	C1 (pF)	C2 (pF)
ZTT-MG	1.8 to 4.9	80	30	30
ZTT-MT	5 to 12.9	50	22	22
ZTT-MX	13 to 19.9	40	22	22
ZTT-MX	20 to 25.9	40	15	15
ZTT-MX	26 to 50	40	5	5
ZTA-MG	1.8 to 4.9	80	30*	30*
ZTA-MT	5 to 12.9	50	22*	22*
ZTA-MX	13 to 19.9	40	22*	22*
ZTA-MX	20 to 25.9	40	15*	15*
ZTA-MX	26 to 50	40	5*	5*

* Recommended external capacitance, not internal to the device.



Part Number Guide	Sample Part Number: ZTA - MX - 16.00	
Part Series	Package Code	Frequency
ZTA -	MX	- 16.00 MHz