

QTACV and QTTCV Series

SMD Ceramic Resonator with or without internal caps, 2 or 3 Pad, 3.1x3.7mm

STANDARD SPECIFICATIONS

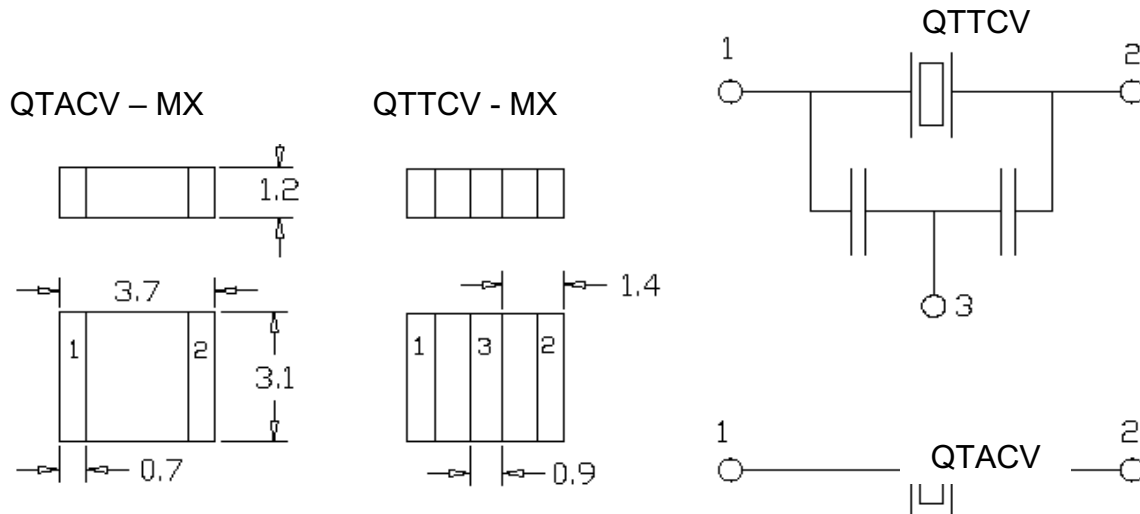
Frequency Range (MHz)	7 MHz to 50 MHz
Equivalent Series Resistance (Ω)	See Table
Frequency Tolerance	$\pm 0.5\%$
Frequency Stability over Temperature	$\pm 0.3\%$
Aging	$\pm 0.3\%$ Max. for 10 Years
Temperature	
Operating	-20°C to $+80^{\circ}\text{C}$ Standard
Storage	-40°C to $+85^{\circ}\text{C}$ Standard
Environmental / Tape and Reel	See Application notes for Environmental information and Tape and Reel information
Package Information	* MSL = N.A., Termination = e1

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

Part	Freq. (MHz)	ESR (Ω Max.)	C1 (pF)	C2 (pF)
QTTCV-MX	13 to 19.9	40	30	30
QTTCV-MX	20 to 25.9	40	15	15
QTTCV-MX	26 to 50	40	5	5
QTACV-MX	7 to 12.9	60	30*	30*
QTACV-MX	13 to 19.9	40	30*	30*
QTACV-MX	20 to 25.9	40	15*	15*
QTACV-MX	26 to 50	40	5*	5*

* Recommended external capacitance, not internal to the device.

* The terminations of the QTACV and QTTCV series ceramic resonator 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.



Dimension Units: mm

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Specifications subject to change without notice (Rev A)