



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

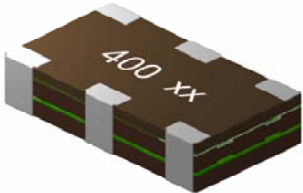
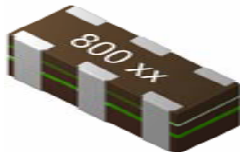
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



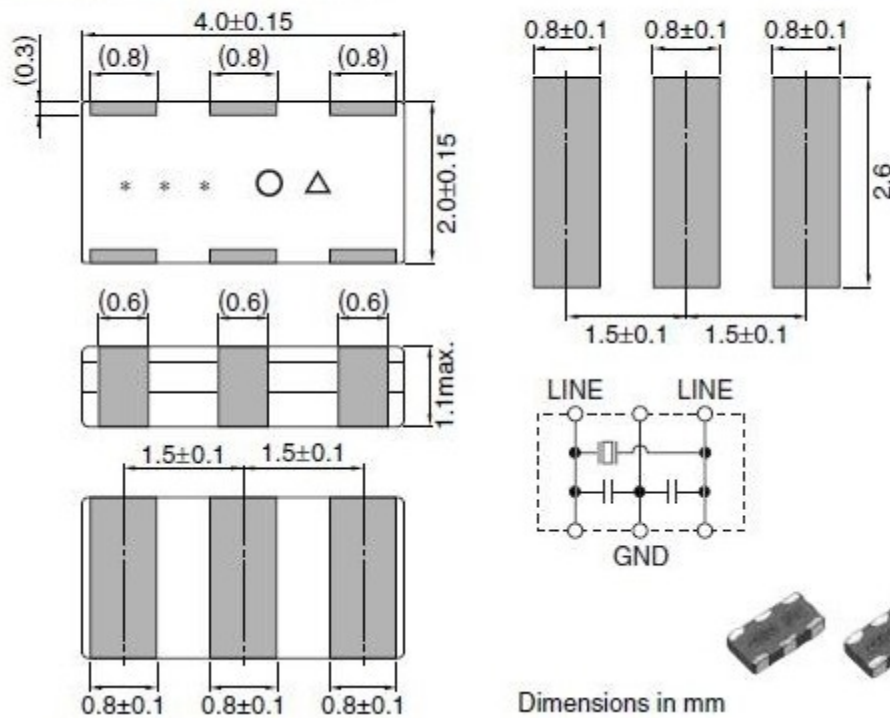
CCR*. * W Ceramic Chip Resonator Series for 105C Temp

TDK Parts Name [*]	CCR*.**MUC8WT	CCR*.**MXC8WT
Shape		
Chip Size (mm)	4.0 × 2.0	3.2 × 1.3
Nominal OSC Frequency ^{**} (MHz)	4.00 ~ 7.99	8.00 ~ 11.0
Operating Temperature Range (°C)	-40 ~ +105°C	-40 ~ +105°C
Initial Tolerance ^{***} (%)	±0.5/0.3	±0.5/0.3
Resonant Impedance (Ω)	40 Max	40 Max

Shape & Dimensions

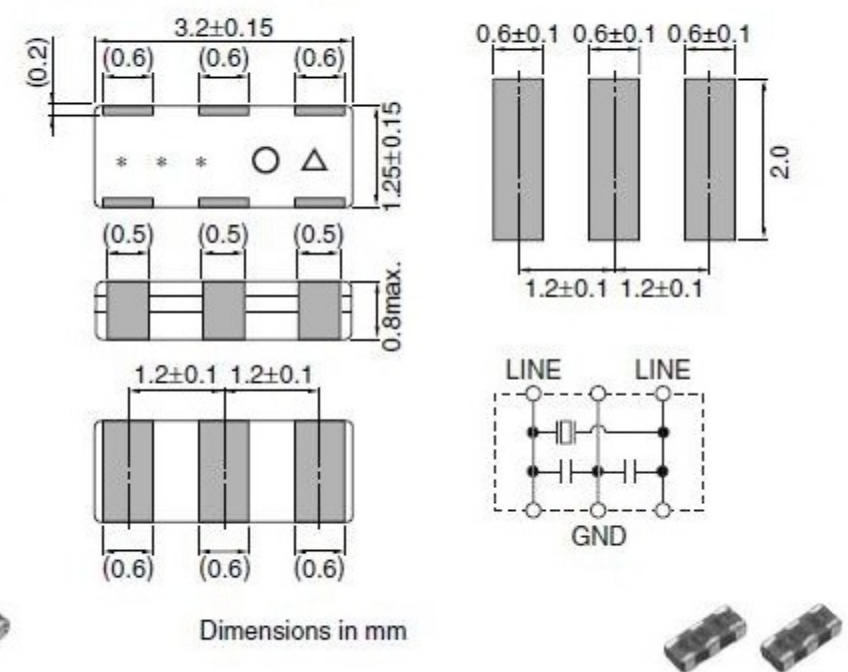
MUC8WT

FUNDAMENTAL WAVE MODE: 4.0 to 7.99MHz/
BUILT-IN LOAD CAPACITY



MXC8WT

FUNDAMENTAL WAVE MODE: 8.0 to 11.00MHz/
BUILT-IN LOAD CAPACITY



Electrical Characteristics

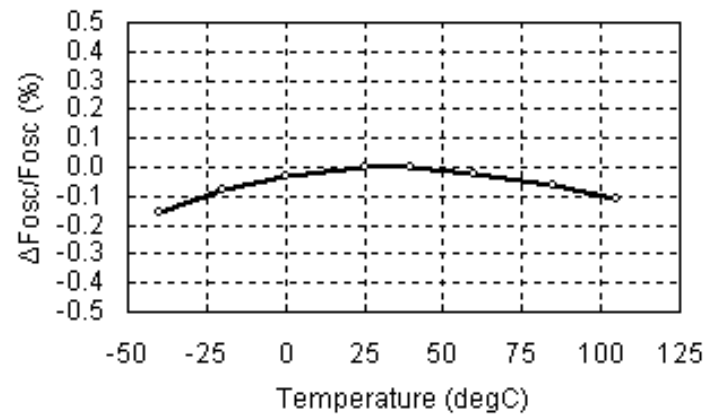
Part No.	Oscillating frequency Fosc(MHz)	Resonant impedance Ro(Ω)	Initial Fosc tolerance * (%)	Capacitance CL1/CL2 (pF)
CCR**.*MUC8WT [Fosc=4.00 to 7.99MHz]				
CCR4.0MUC8WT	4.000	40	$\pm 0.5/0.3$	27pF
CCR4.19MUC8WT	4.194	40	$\pm 0.5/0.3$	27pF
CCR4.91MUC8WT	4.915	40	$\pm 0.5/0.3$	27pF
CCR5.0MUC8WT	5.000	40	$\pm 0.5/0.3$	27pF
CCR6.0MUC8WT	6.000	40	$\pm 0.5/0.3$	27pF
CCR**.*MXC8WT [Fosc=8.00 to 11.00MHz]				
CCR8.0MXC8WT	8.000	40	$\pm 0.5/0.3$	18pF
CCR8.38MXC8WT	8.380	40	$\pm 0.5/0.3$	18pF
CCR10.0MXC8WT	10.000	40	$\pm 0.5/0.3$	18pF
CCR11.0MXC8WT	11.000	40	$\pm 0.5/0.3$	18pF

Typical Electrical Characteristics

TYPICAL ELECTRICAL CHARACTERISTICS

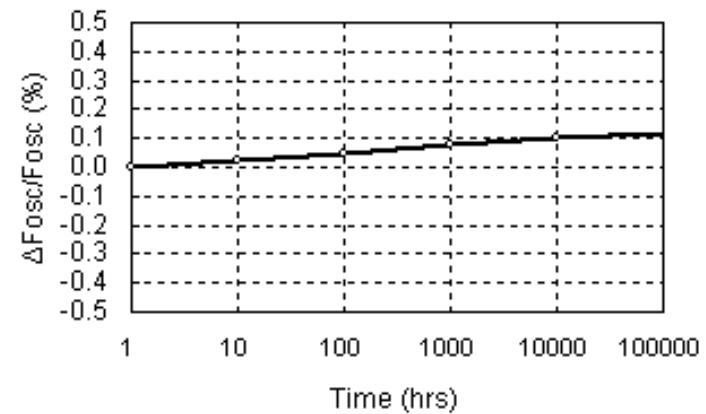
OSCILLATING FREQUENCY OVER TEMPERATURE

MUC8/MXC8: $\pm 0.3\%$ / -40 to +105degC (Standard)
 CCR8.0MXC8



OSCILLATING FREQUENCY AGING

MUC8/MXC8: $\pm 0.2\%$ / 10years(Standard)
 CCR8.0MXC8



Reliability specification
(CCR. *MUC8WT / MXC8WT)**

Item	General specification
Low Temp. Storage	-40°C / 1,000h
High Temp.Storage	105°C / 1,000h
Humidity Test	85%R.H. at 85°C 1000h
Air Thermal Shock Test	-40 ~ 105°C / 500cyc
Board Bending	1mm, 5sec
Mechanical shock test	102G, 6ms for 3 times in each direction of 3 planes.
Vibration test	10-500Hz 10G X,Y,Z 48h
Drop test	Concrete 1.0m for 3times
Soldering Test	Conforms to lead free solder
Solder ability	Conforms to lead free solder