

# MHZ SMD CERAMIC RESONATORS

## MAIN FEATURE

- Extra SMD Package, 2 pads
- Low Cost and short lead time

## APPLICATION

- Clock oscillators for microprocessors
- Small electronic equipment and more

## STANDARD SPECIFICATION

**RFQ**

Request For Quotation



L3.7\*W3.1\*H1.2mm

Parameter	Value			Unit	Condition
	Min.	Type	Max.		
Frequency Range	8.00		60.00	MHz	see p/n guide or Specify
Frequency Accuracy		±0.5		%	@25 °C
Operating Temperature Range	-25	-	+85	°C	
Storage Temperature Range	-55	-	+85	°C	
Capacitance (C1/C2)		N/A	-	pF	MT(8.00~13.00MHz)/MX (16.00~20.00MHz)
		-	-		MX: 20.01~25.99MHz
	-	-	-		MX: 26.00~60.00MHz
Temperature Coefficient	-	±0.3	-	%	Oscillation Freq. drift @-25 °C ~+85 °C
Resonant Impedance	-	-	40	ohm	
Aging per year*	-	-	±0.3	%	From initial value
Withstanding Voltage		50		V	DC, 5s Max.
Insulation Resistance Ri	500			MΩ	10V, 1min
Rating Voltage UR		6		V	DC
		15		V	p-p AC
IC	MX: 1/6TC74HCU04. MT: 1/6TC4069UBP				

\* Parts shall be left in a chamber of +85 °C ±2°C for 1000 hours, then measured after leaving in natural condition for 1 hours.

## PART NUMBER GUIDE

Example: CRAW8.0MX TLF

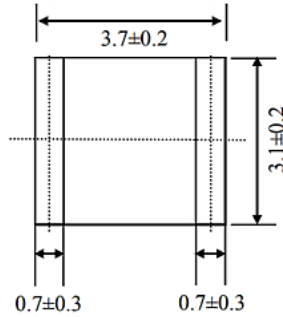
CR	A	V	8.0	MT	T	LF	XX
1	2	3	4	5	6	7	8

- 1) CR: Ceramic Resonator
- 2) A: Without Built-in Capacitance, 2 Pads
- 3) V: Outline Dimensions L3.7\*W3.1\*H1.2mm
- 4) 8.0: Frequency Range in MHz, 8.000MHz or Specify
- 5) MX: Design Mode for different Frequency range, ; MT: 8.00~13.00MHz; MX:16.00~60.00MHz
- 6) T: Package in Tape/Reel, 4000pcs/reel
- 10) LF: RoHS Compliant
- 11) XX: Intenal Control Code, 2 letter or digits; Blank: N/A

**MHZ SMD CERAMIC RESONATORS**

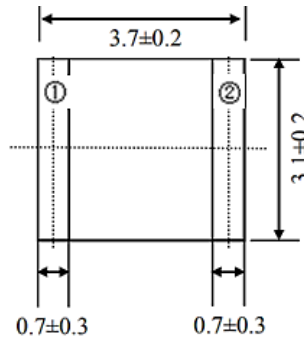
DIMENSION (Unit: mm)

**Top View**

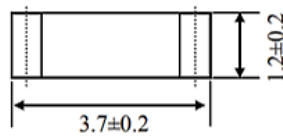


Connection  
#1 In/Output  
#2 Output/Input

**Bottom View**



**Side View**



**Solder Pattern**

