

CERAMIC RESONATOR (CERALOCK®)



Chip Ceramic Resonator CSAC/CSACS Series (CERALOCK®)

Wide range of chip CERALOCK® is now available.

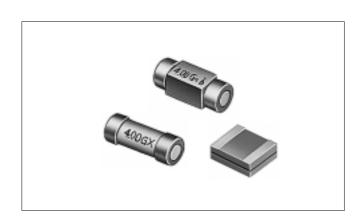
This diverse series owes its development to MURATA's package technology expertise and original mass production techniques. It enables high-density mounting and further miniaturization of electronic equipment.

■FEATURES

- 1. The series is available in a wide frequency range.
- 2. The resonators are extremely small and have a low profile (CSACS series).
- 3. No adjustment is neccesary for ocillation circuits.



- 1. Clock oscillators for microprocessors.
- 2. Electronic control circuits for small electronic equipment.
- 3. Automotive electronics
- 4. DTMF generators for cordless telephones.



■SPECIFICATIONS

Туре	CSAC Series	CSACS Series	
Item	CSAC MGC/MGCM	CSACS_MT	CSACS MX040
Frequency Range	1.80-6.00MHz	6.01-13.0MHz	14.00-60.00MHz
Oscillation Frequency Initial Tolerance	±0.5%	±0.5%	±0.5%
Oscillation Frequency Temperature Stability**1	±0.3%	±0.5%	±0.3%
Aging ^{**,2}	±0.3%	±0.5%	±0.3%
Oscillation Frequency Measuring Circuit	IC :1/6CD4069UBE × 2*3 VDD:5V (MT Series:12V) X :Chip CERALOCK®		

- %1 At -20 to +80°C
- ※2 For 10 years at room temperature
- X3 TC74HCU04 is used as the standard circuit for the MX040 series.